

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

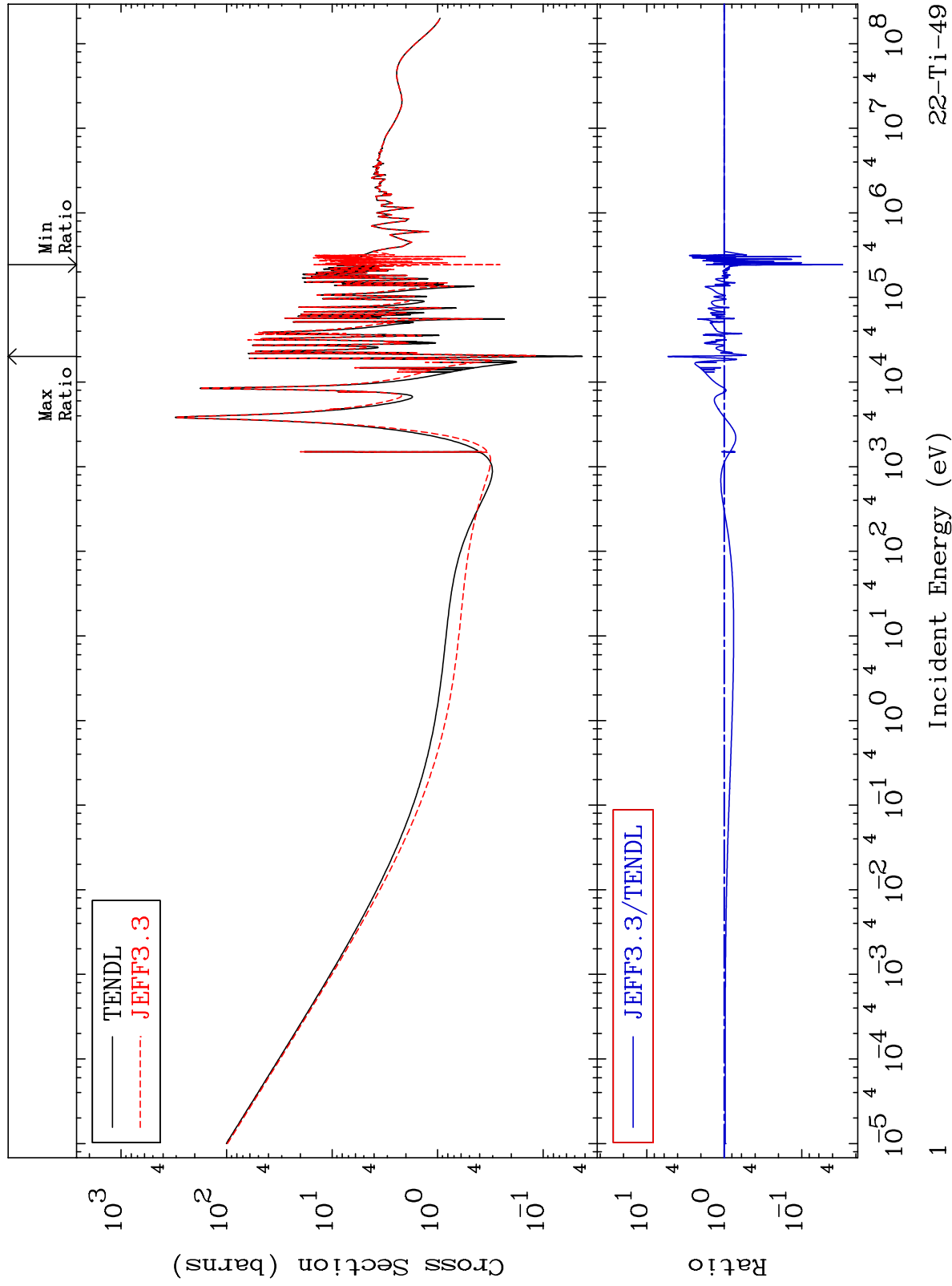
MAT 2234

Total

22-Ti-49

Cross Section

-97.06 To 433.1 %



Incident Energy (eV)

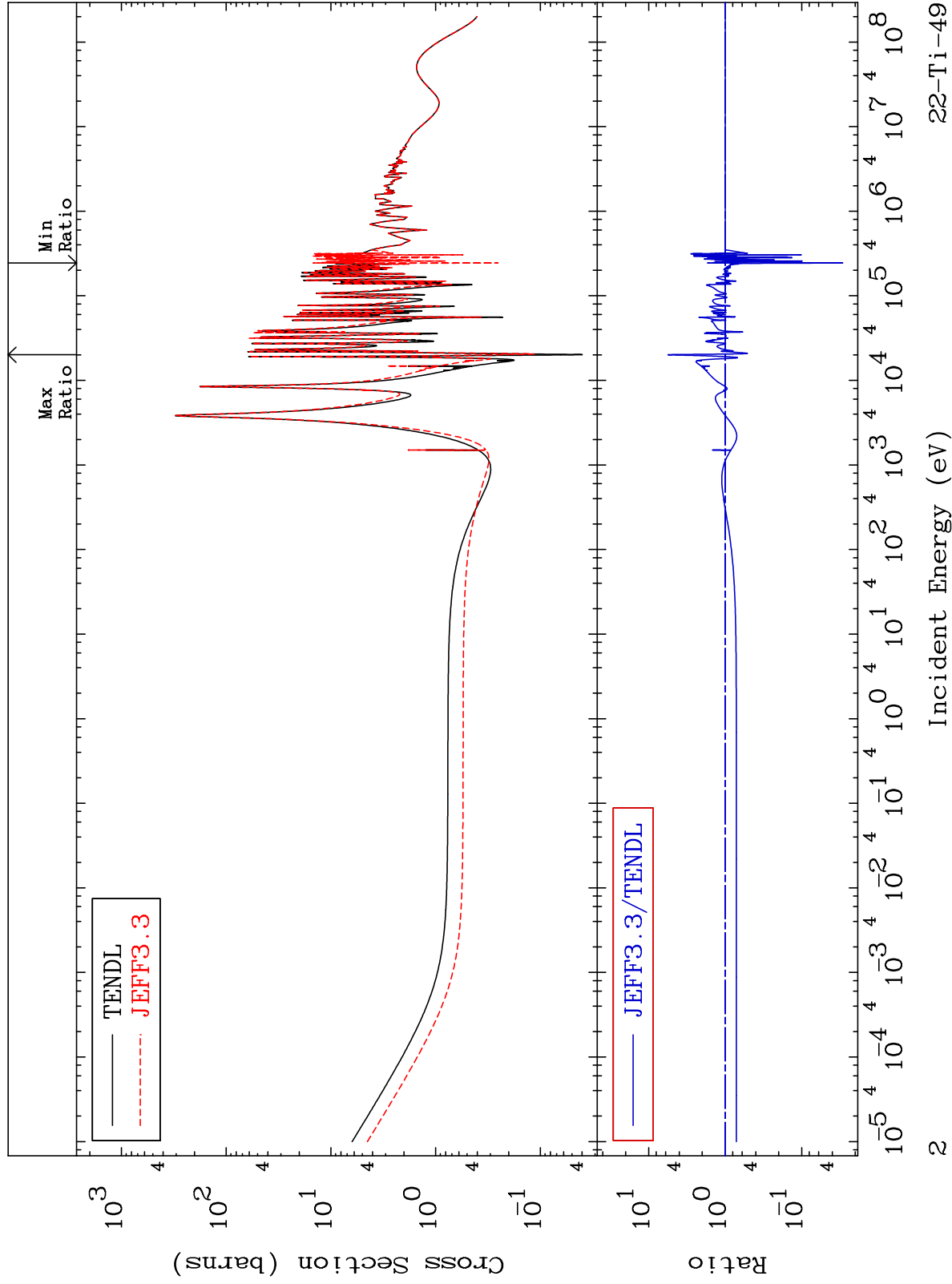
22-Ti-49

1

MAT 2234

Elastic
Cross Section

22-Ti-49
-97.09 To 459.6 %

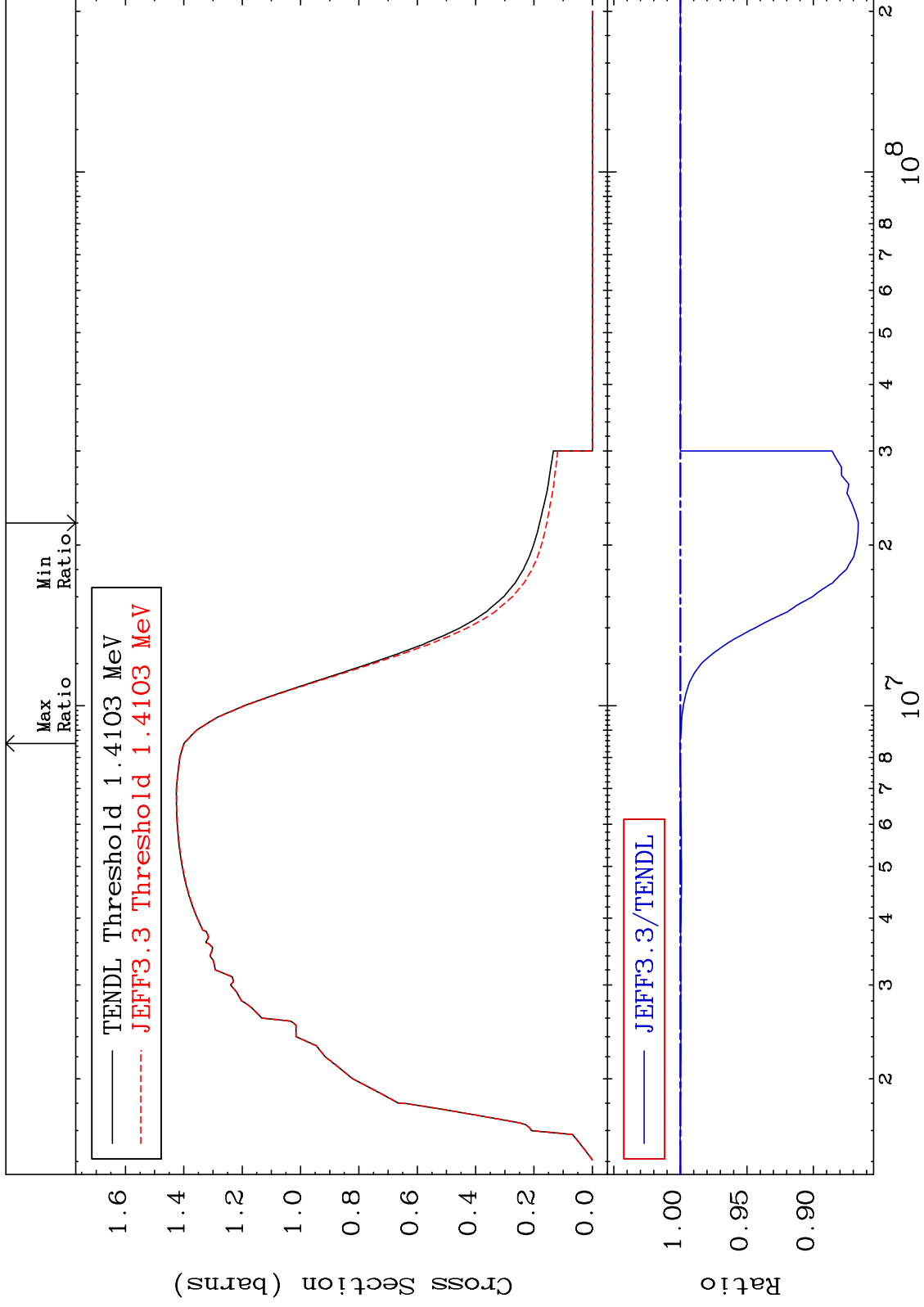


MAT 2234

Inelastic
Cross Section

22-Ti-49

-13.38 To 0.043 %



Incident Energy (eV)

22-Ti-49

3

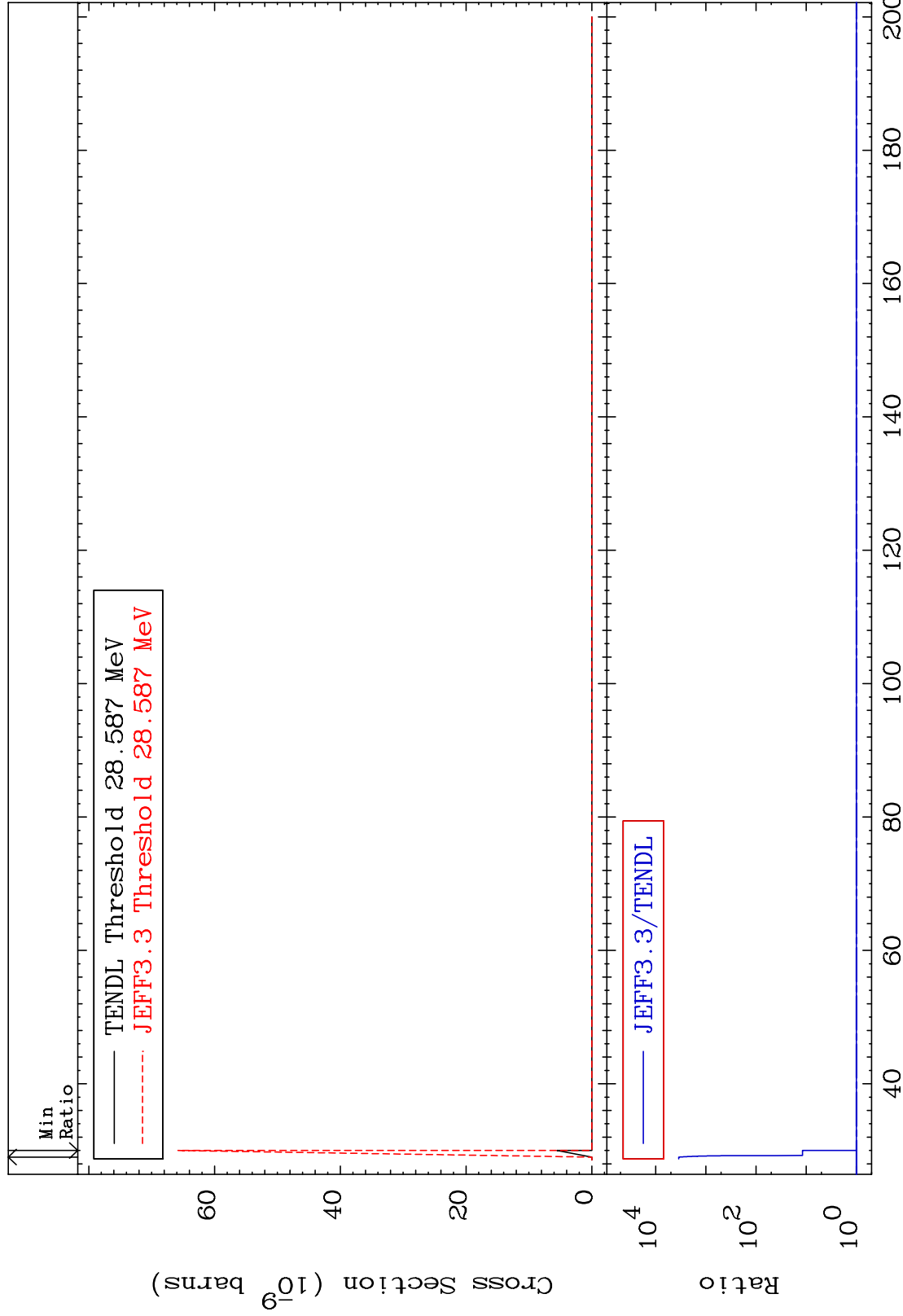
MAT 2234

(n,2n) d

22-Ti-49

Cross Section

0.000 To 9999. %



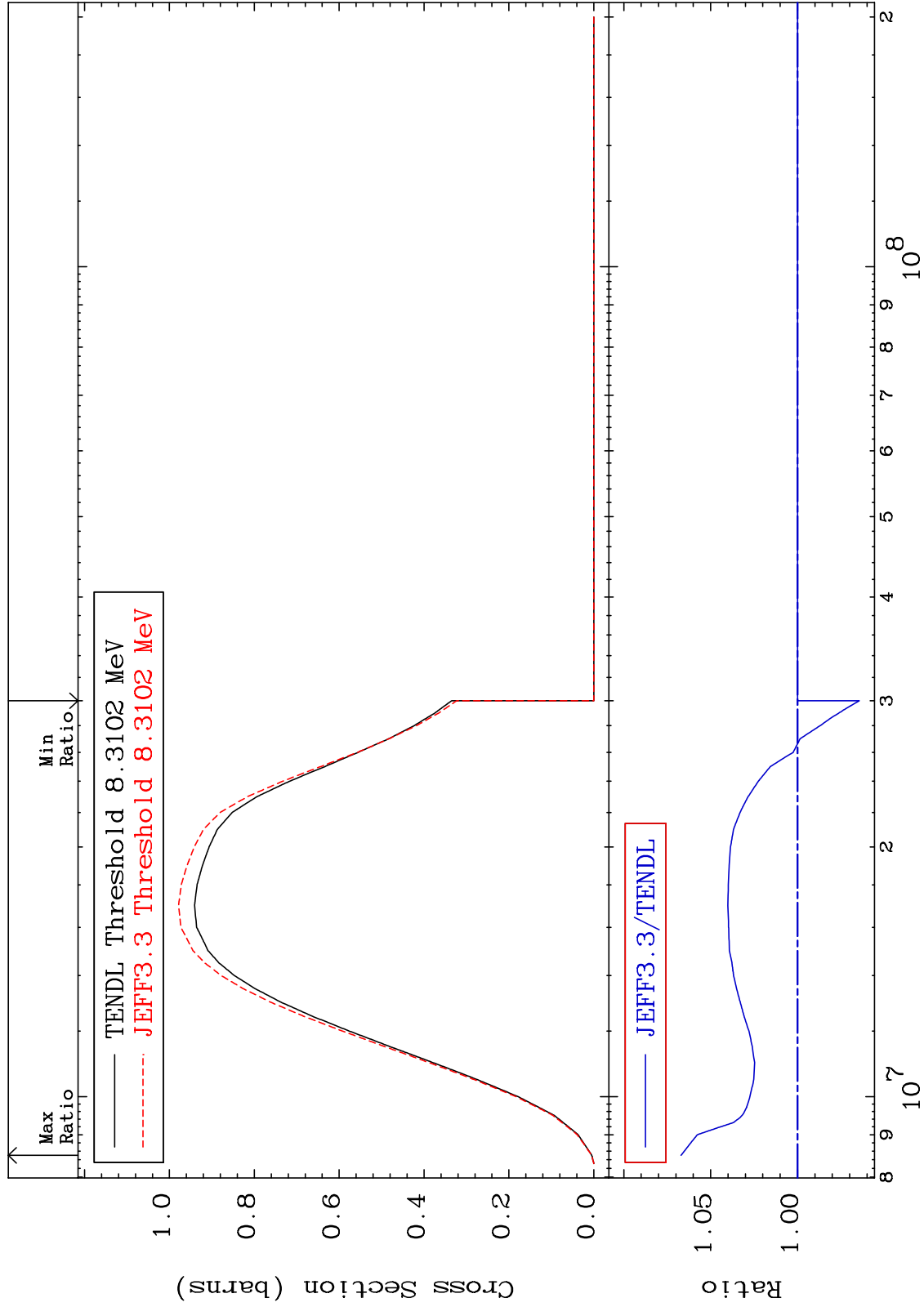
MAT 2234

(n,2n)

22-Ti-49

Cross Section

-3.555 To 6.705 %



22-Ti-49

Incident Energy (eV)

5

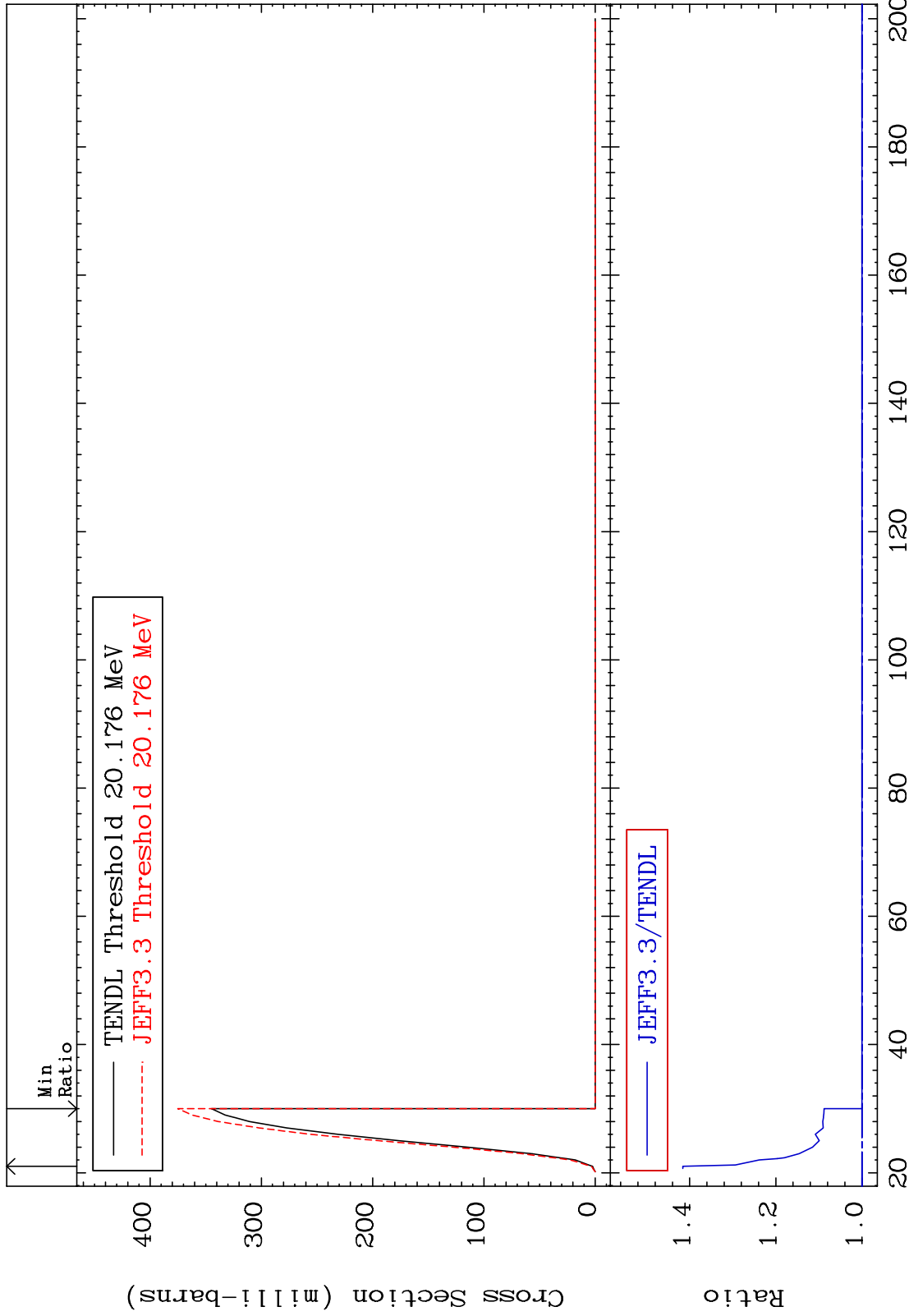
MAT 2234

(n,3n)

²²Ti-49

Cross Section

0.000 To 41.57 %



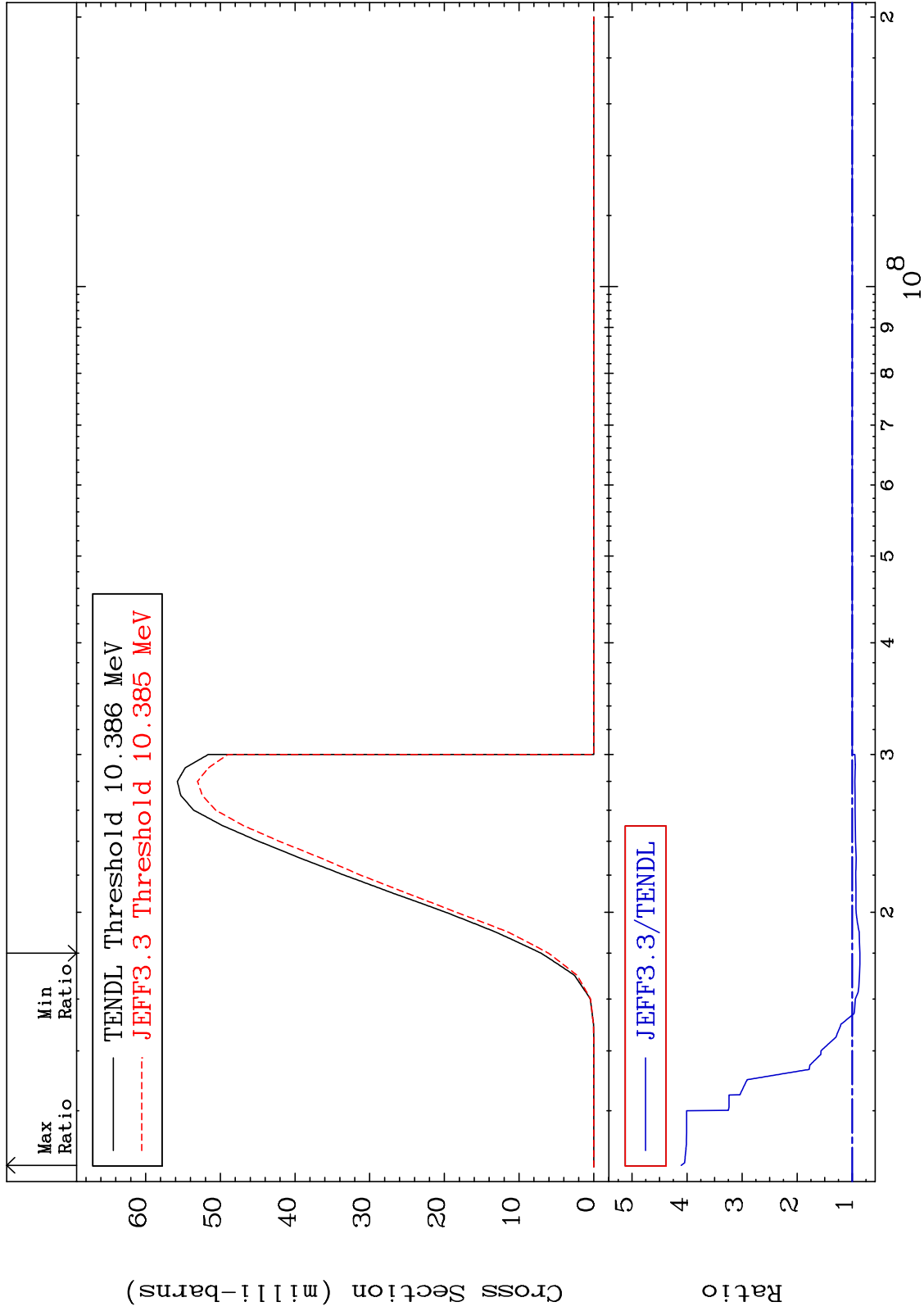
MAT 2234

(n,n') α

22-Ti-49

Cross Section

-14.16 To 310.5 %



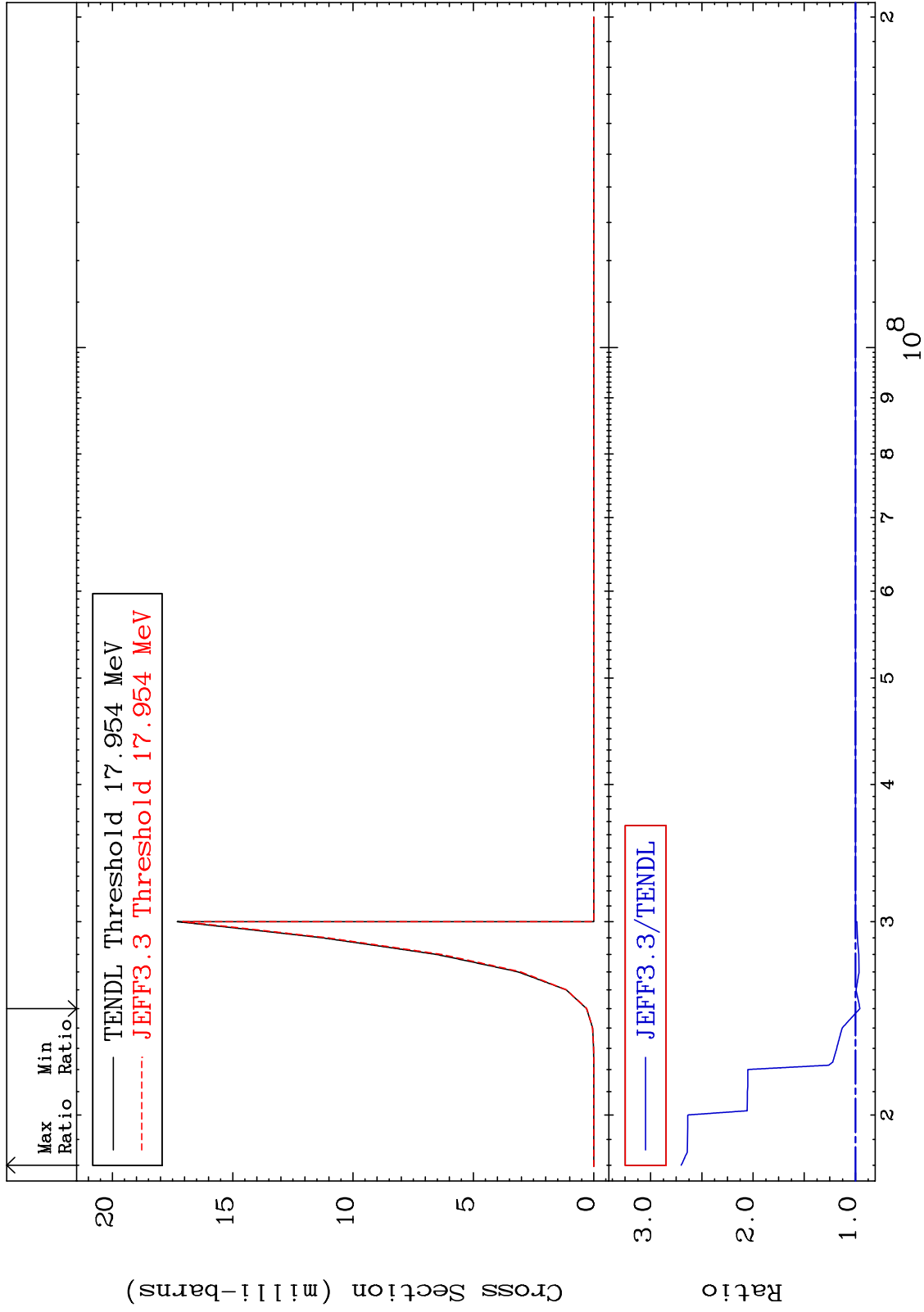
MAT 2234

(n,2n) α

22-Ti-49

Cross Section

-4.403 To 170.1 %



8

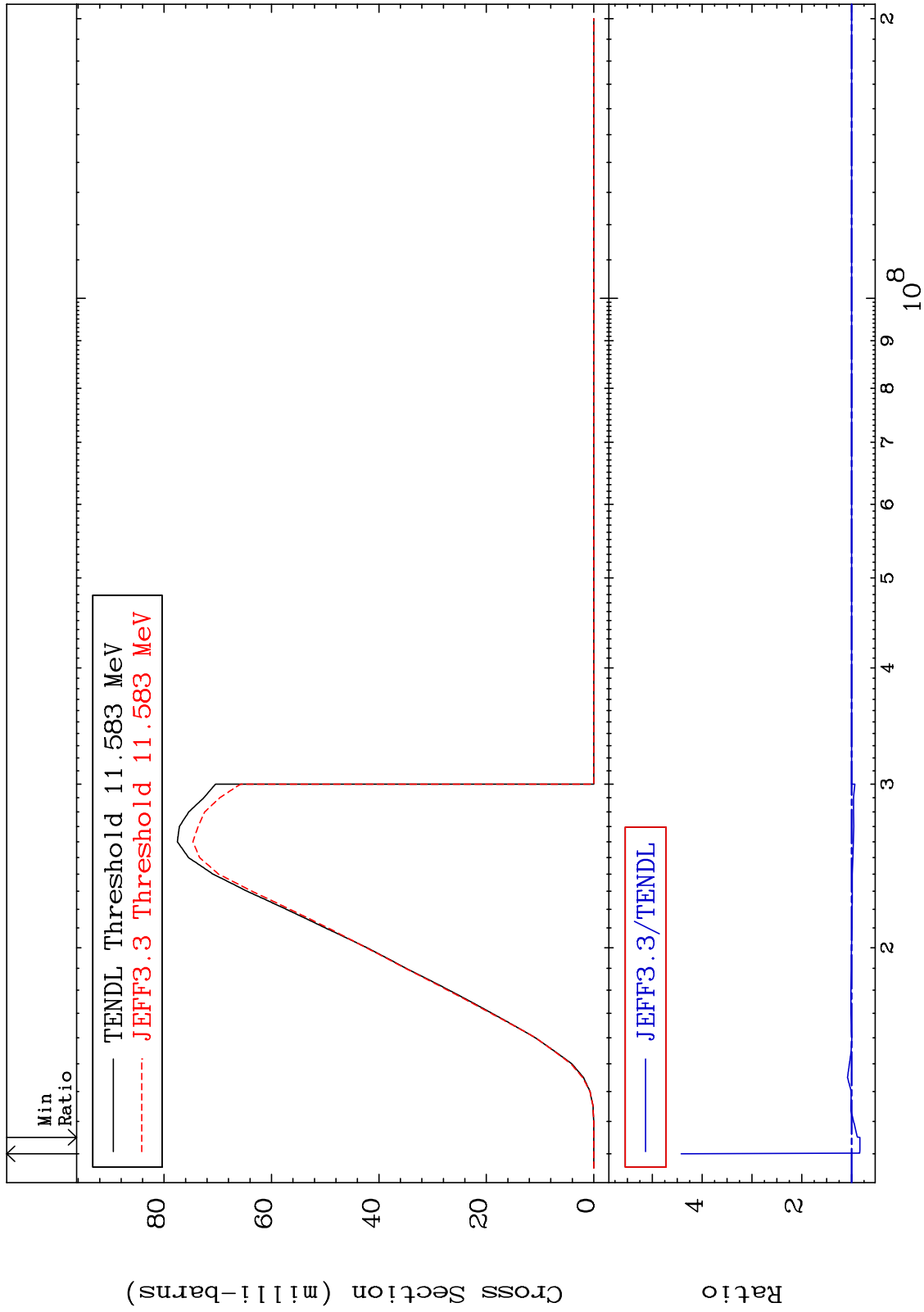
Incident Energy (eV)

22-Ti-49

MAT 2234

(n,n') p
Cross Section

22-Ti-49
-16.88 To 342.0 %



9

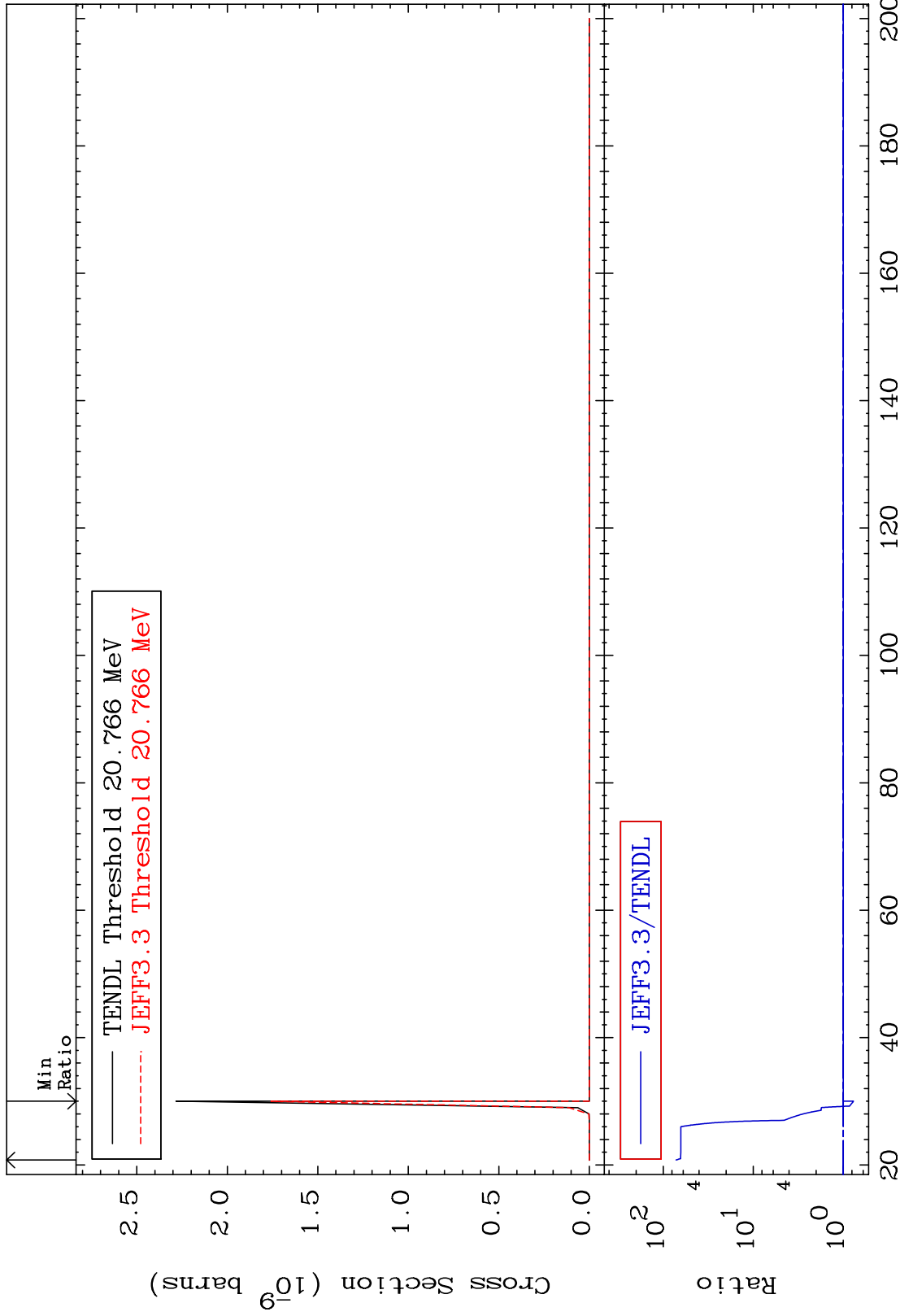
22-Ti-49

22-Ti-49

MAT 2234

(n,n') 2α
Cross Section

22-Ti-49
-23.01 To 7080. %



22-Ti-49

Incident Energy (MeV)

10

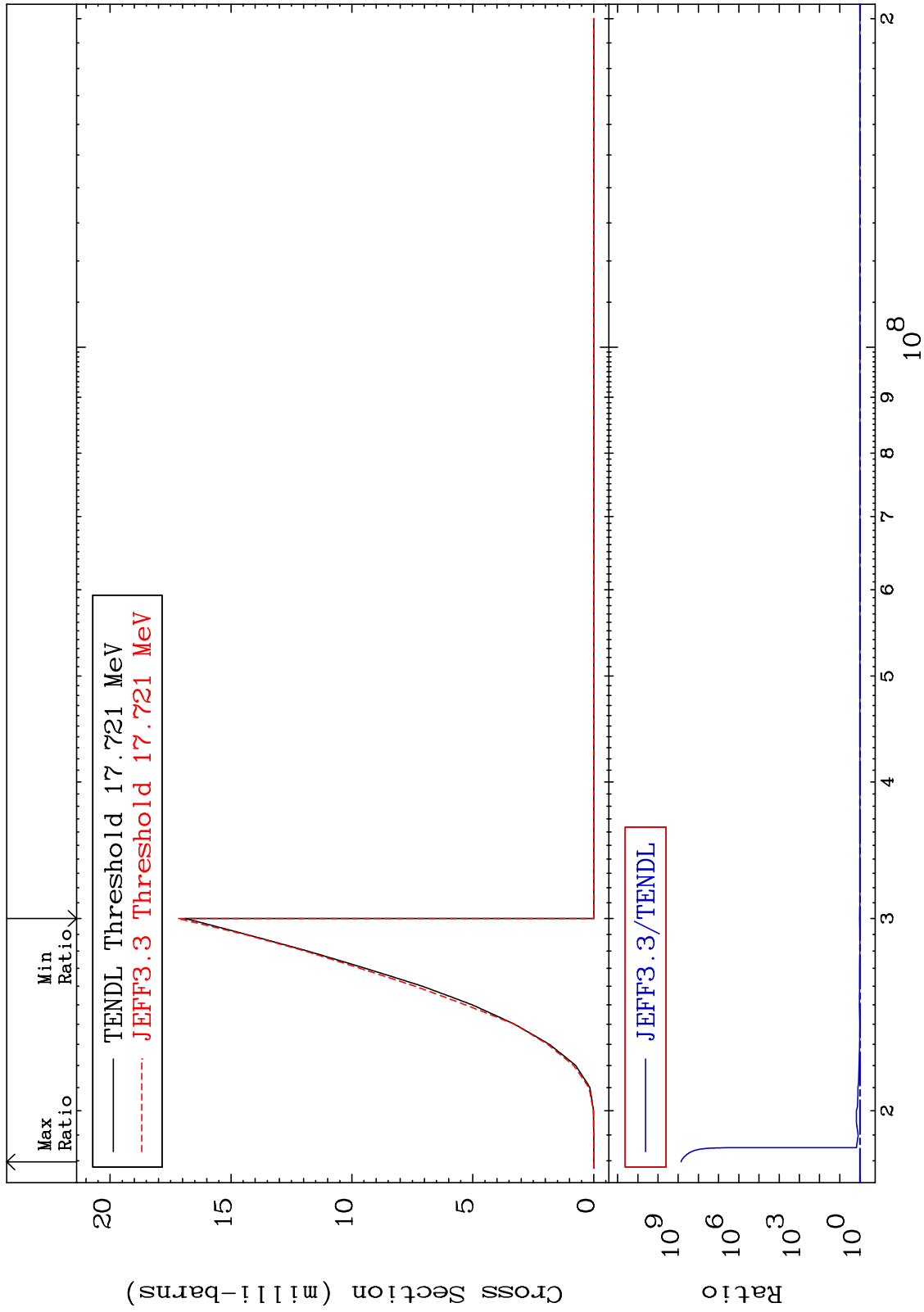
MAT 2234

(n,n') d

22-Ti-49

Cross Section

0.000 To 9999. %



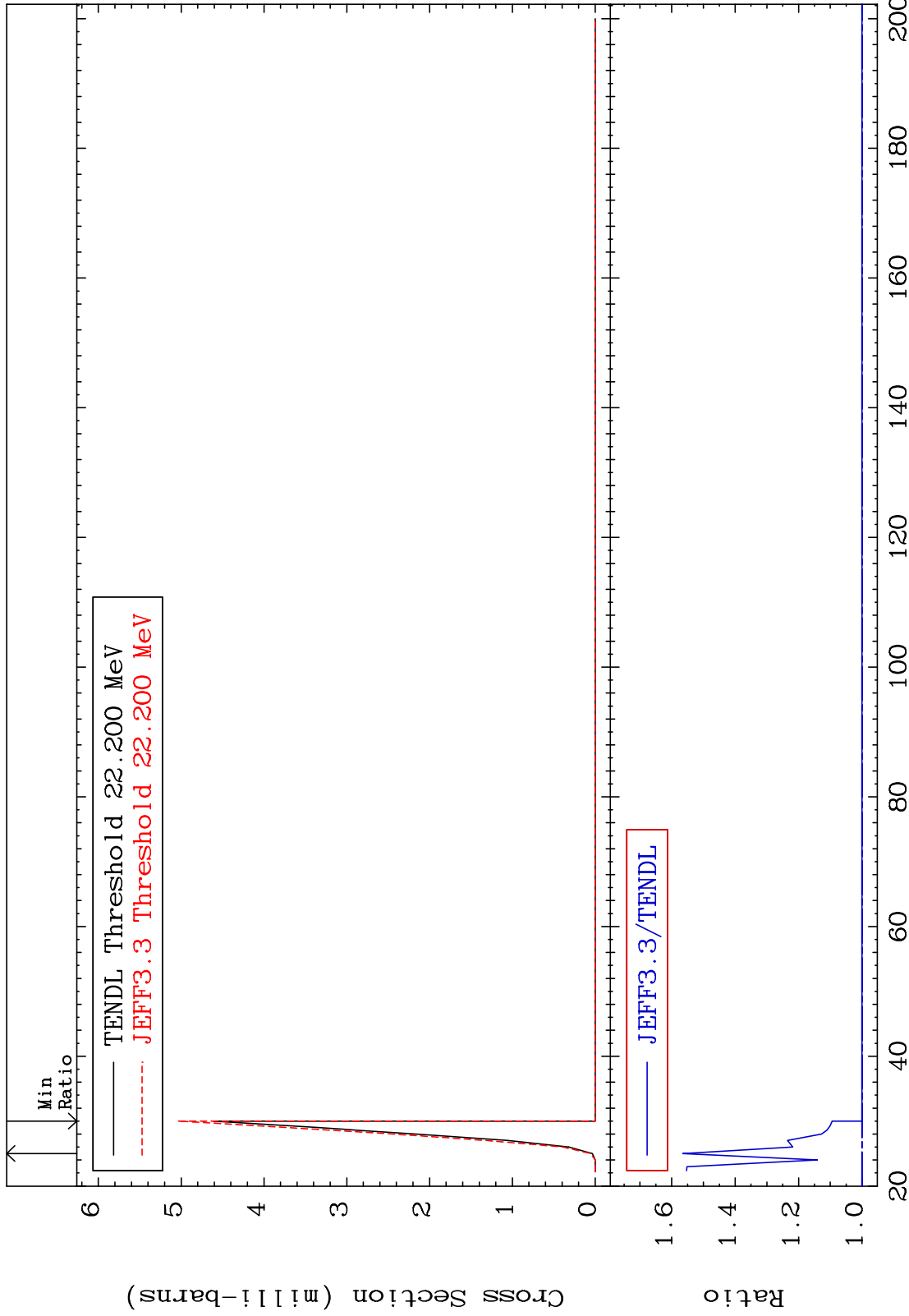
MAT 2234

(n,n') t

22-Ti-49

Cross Section

0.000 To 56.48 %



22-Ti-49

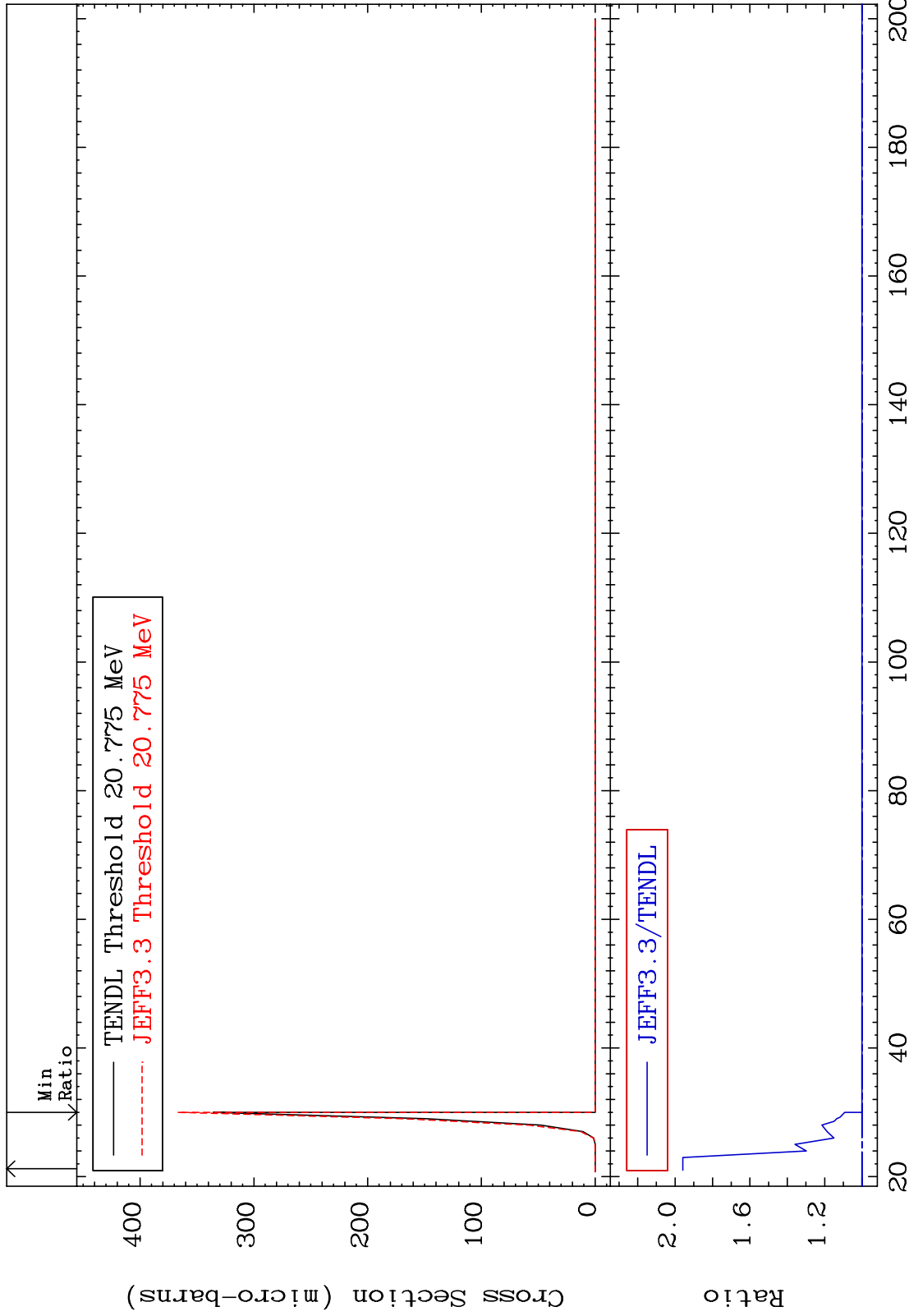
Incident Energy (MeV)

12

MAT 2234

(n,n') He-3
Cross Section

22-Ti-49
0.000 To 95.84 %

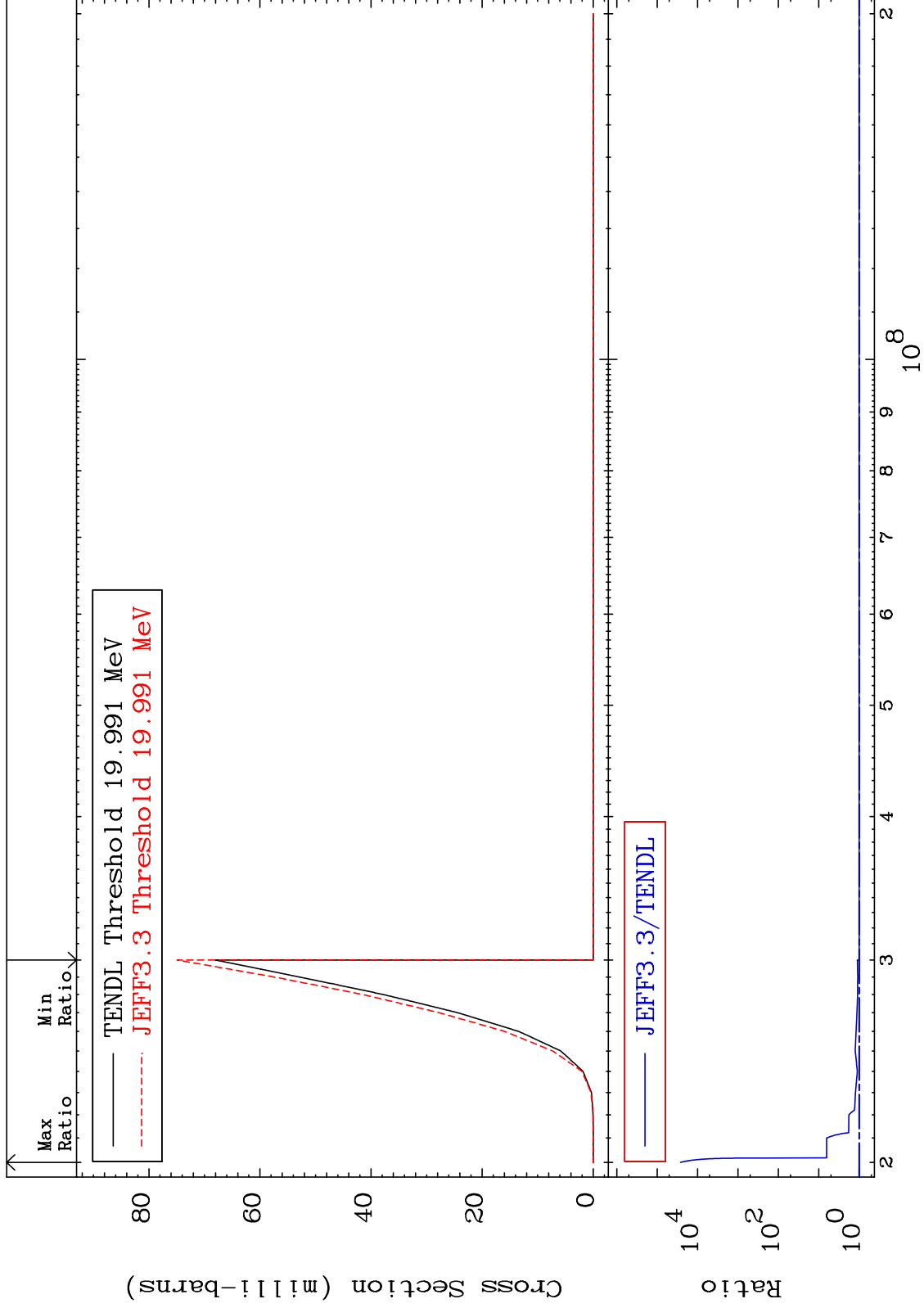


22-Ti-49

MAT 2234

(n,2n) p
Cross Section

22-Ti-49
0.000 To 9999. %



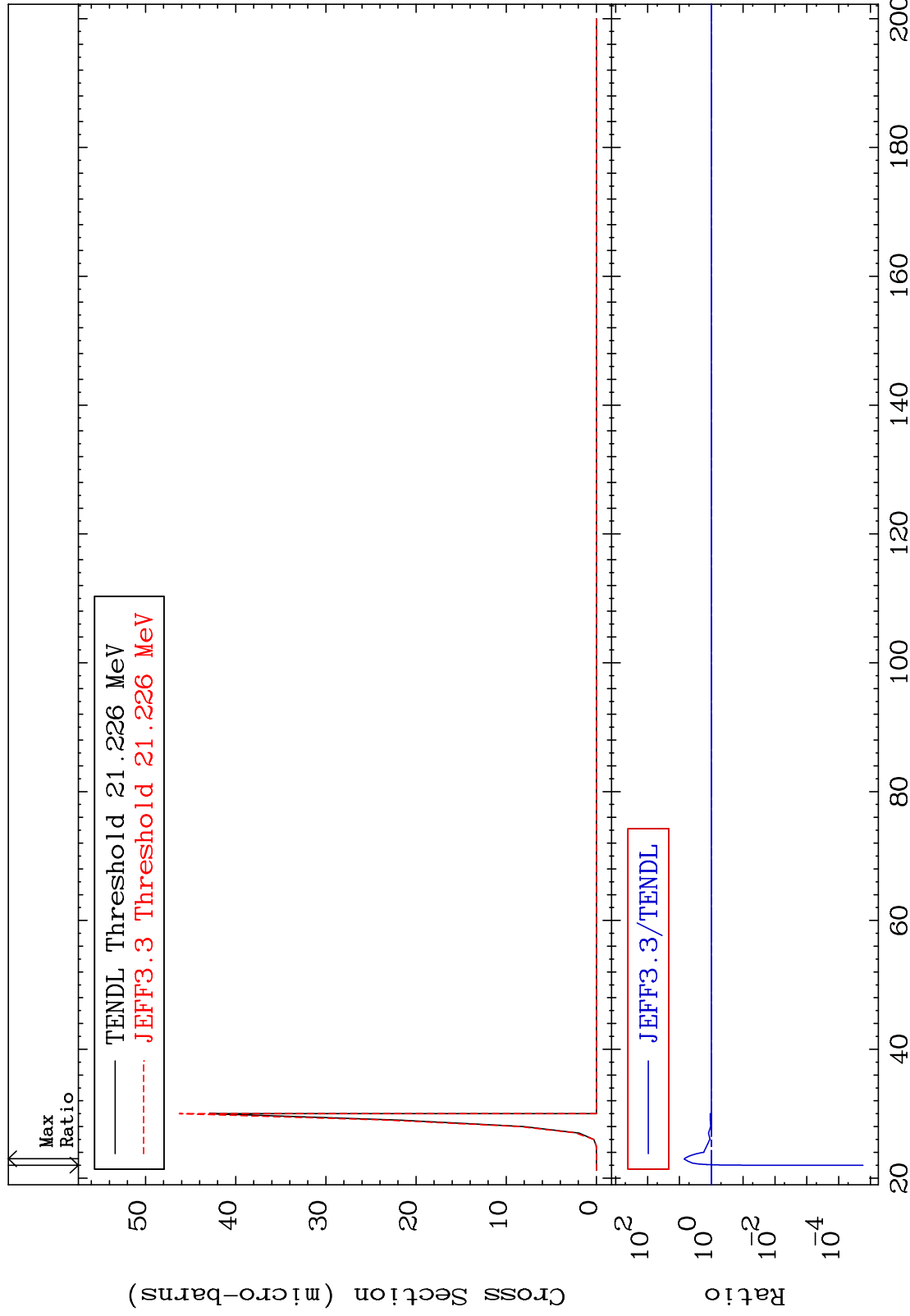
22-Ti-49

Incident Energy (eV)

MAT 2234

(n,2n) p
Cross Section

22-Ti-49
-100.0 To 617.1 %



22-Ti-49

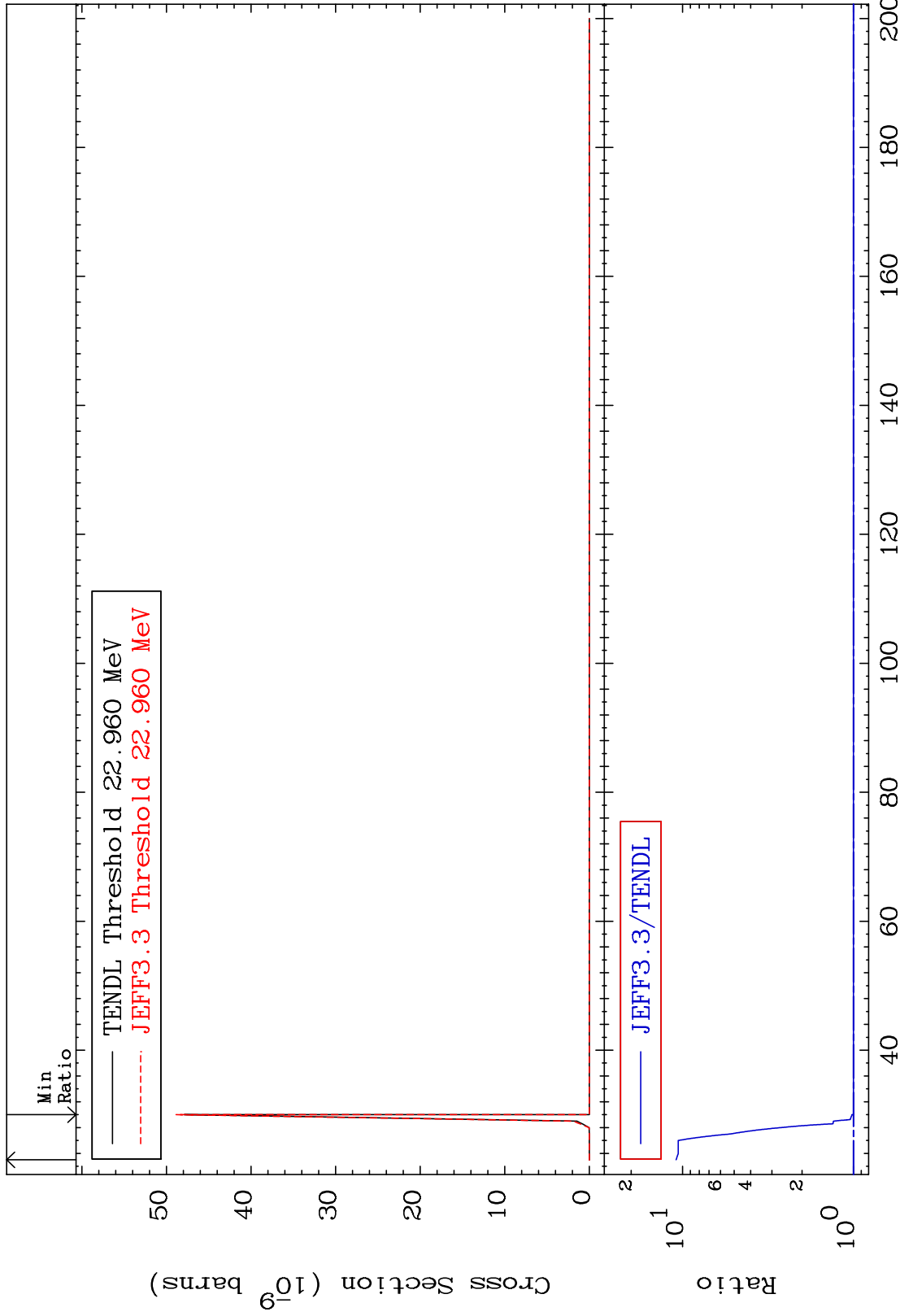
Incident Energy (MeV)

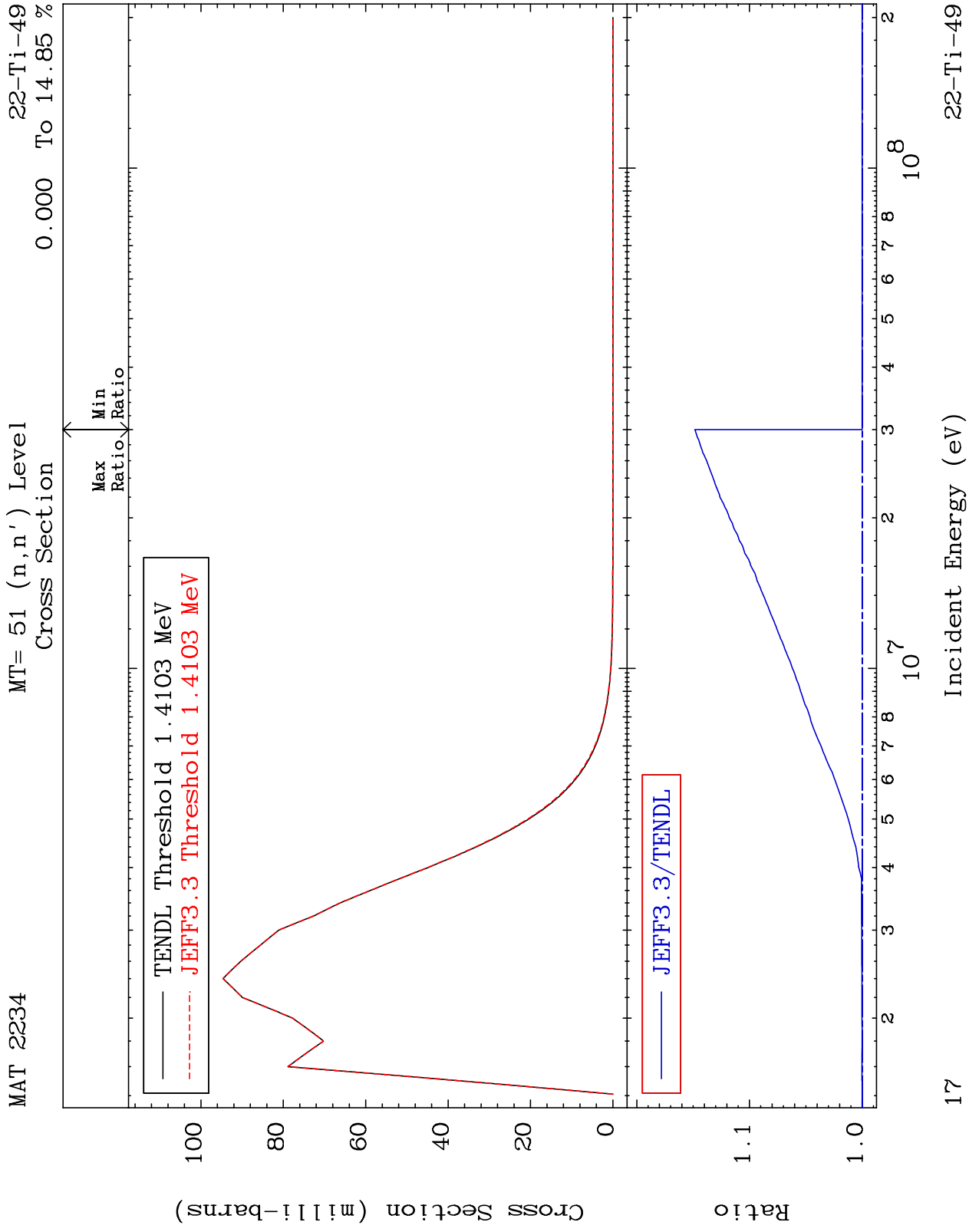
15

MAT 2234

(n,n') p α
Cross Section

22-Ti-49
0.000 To 992.0 %

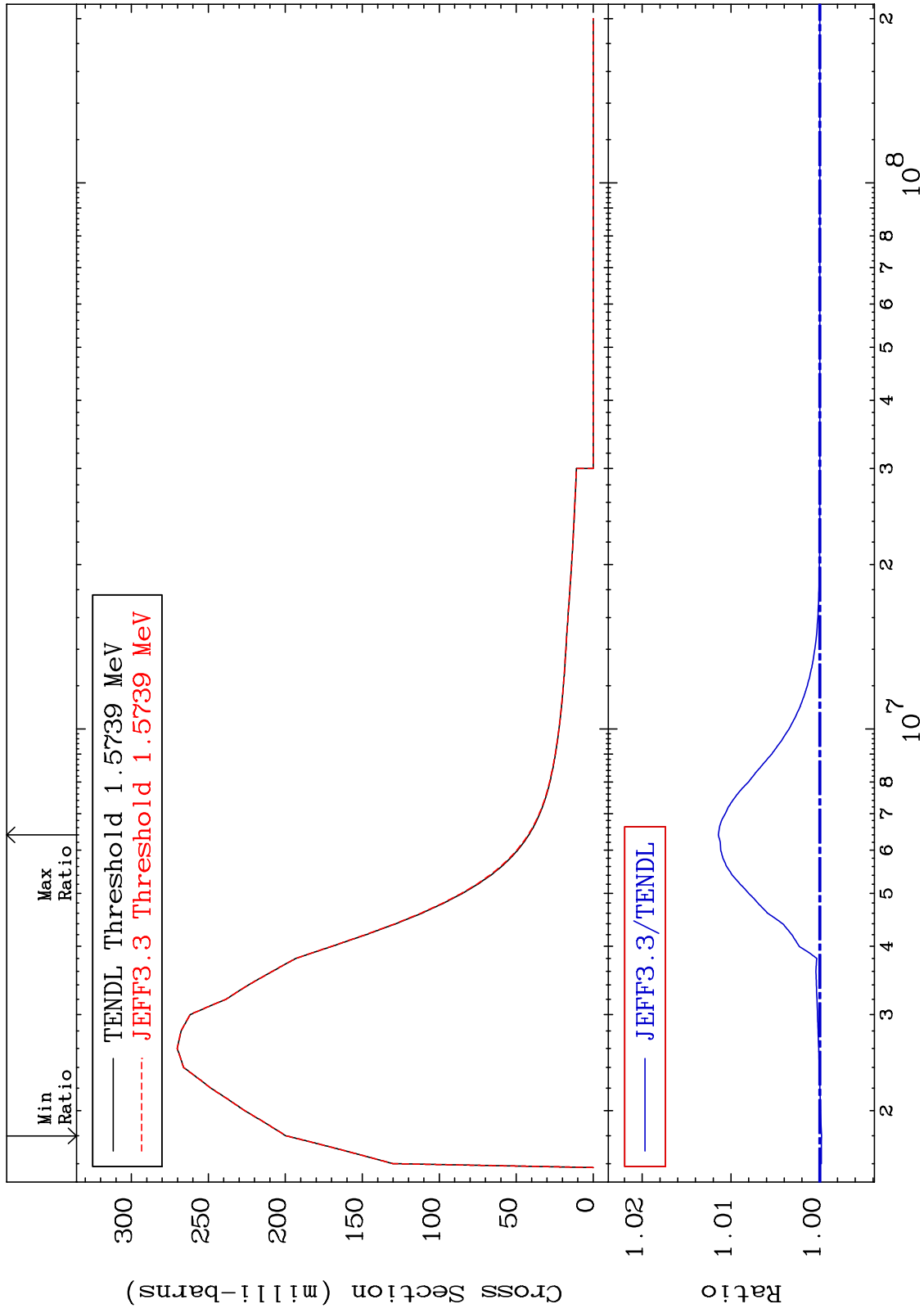




MAT 2234

MT= 52 (n,n') Level
Cross Section

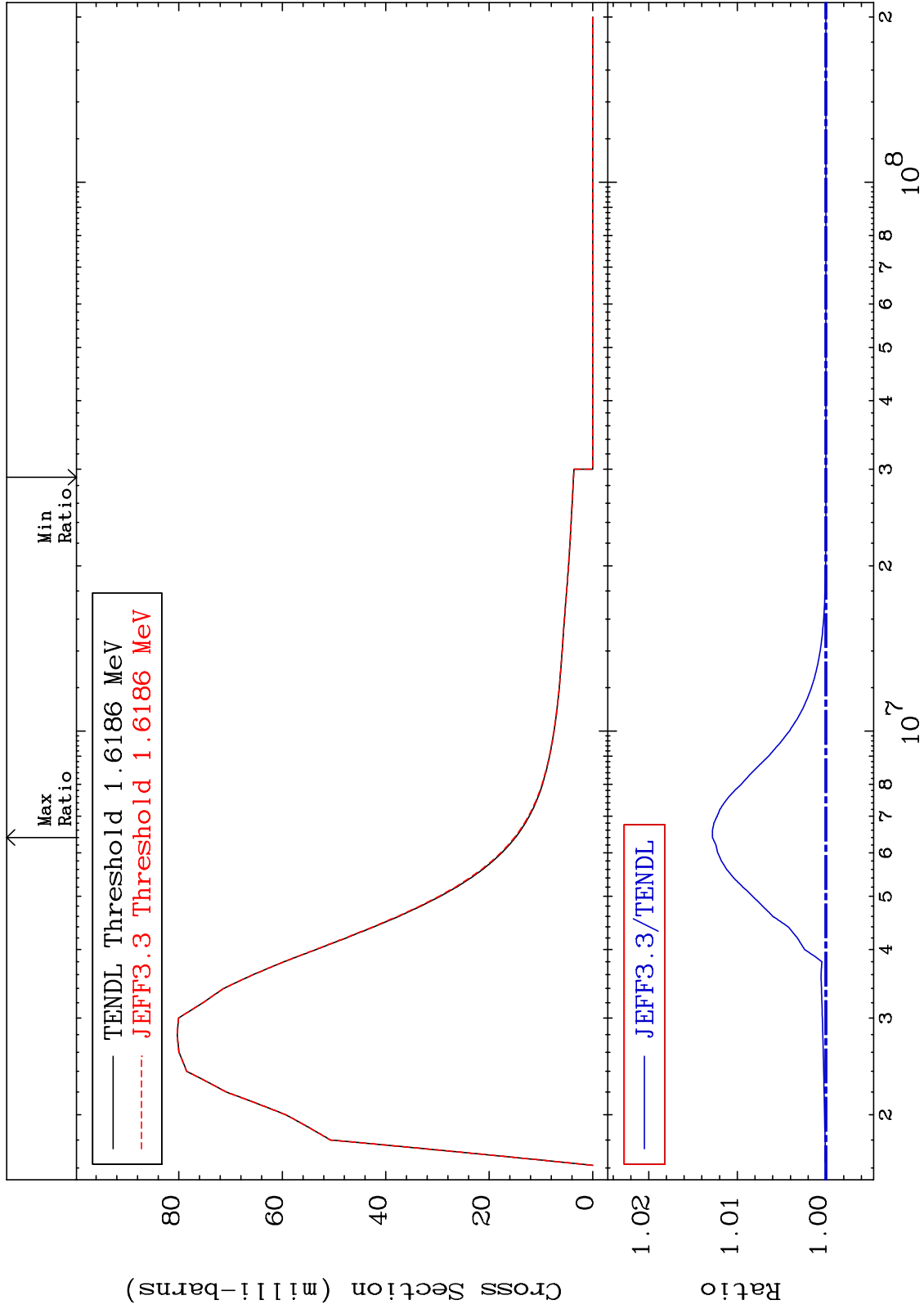
22-Ti-49
-0.020 To 1.143 %



MAT 2234

MT= 53 (n,n') Level
Cross Section

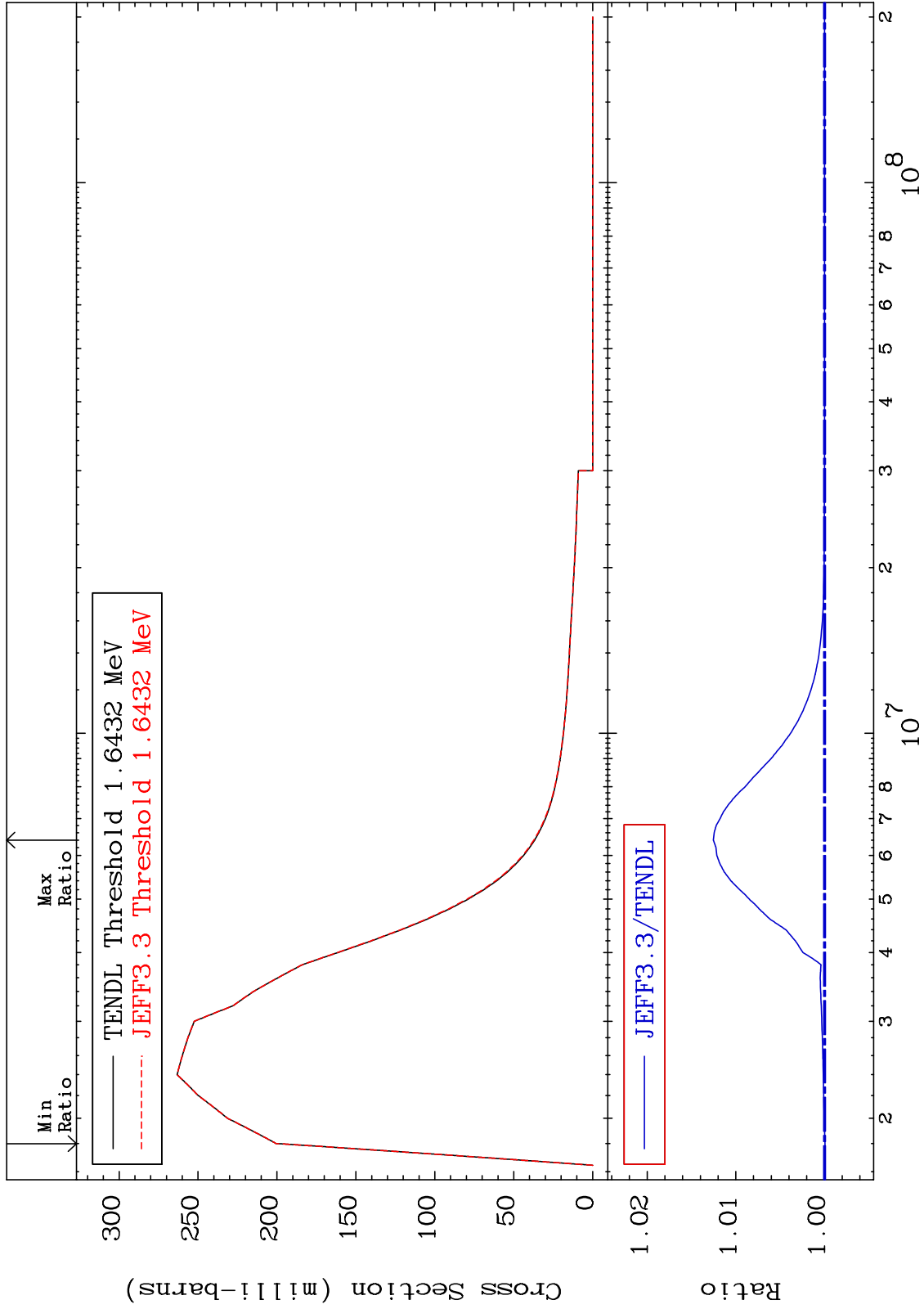
0.000 To 1.280 %
22-Ti-49



MAT 2234

MT= 54 (n,n') Level
Cross Section

22-Ti-49
-0.007 To 1.254 %



20

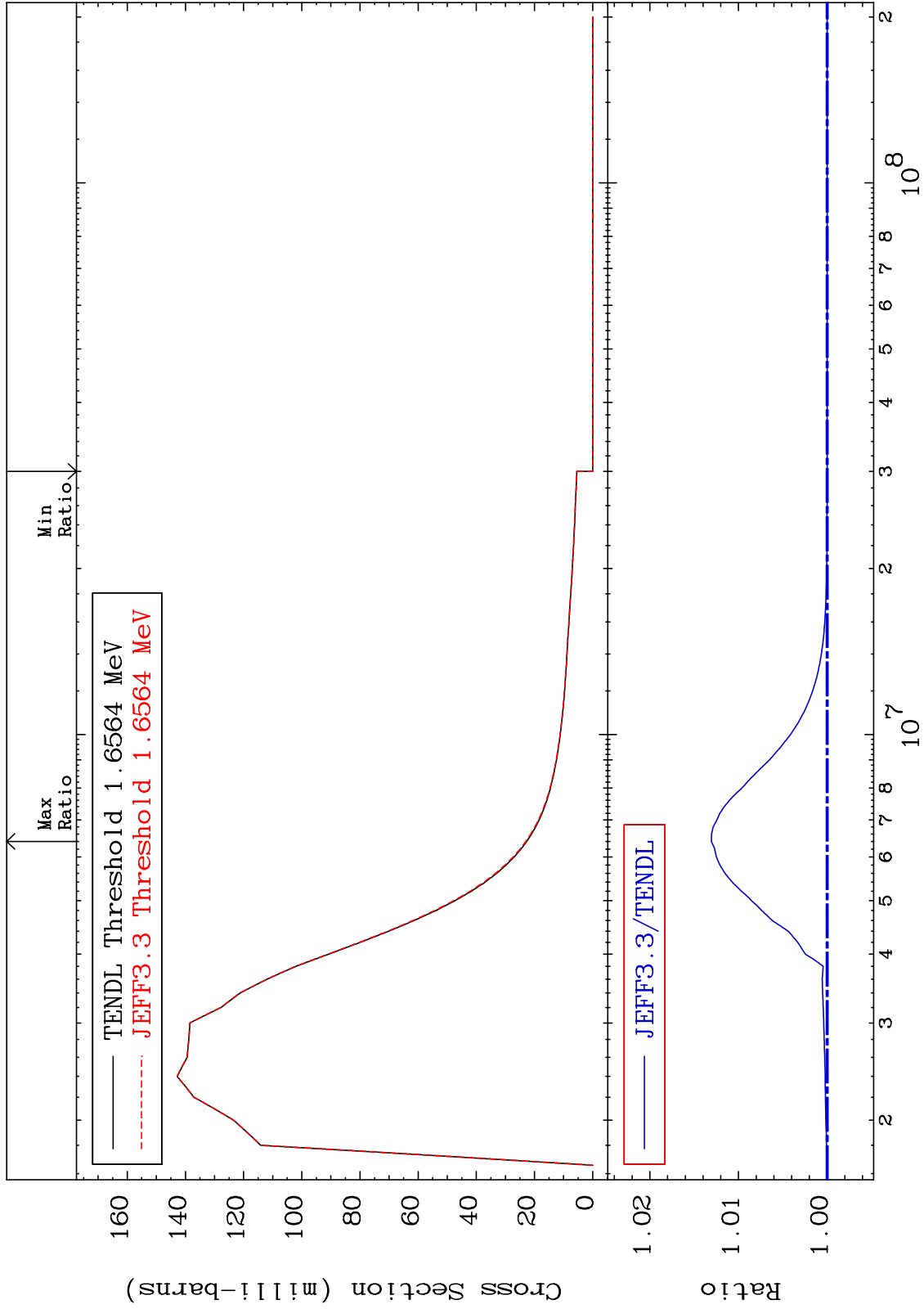
Incident Energy (eV)

22-Ti-49

MAT 2234

MT= 55 (n,n') Level
Cross Section

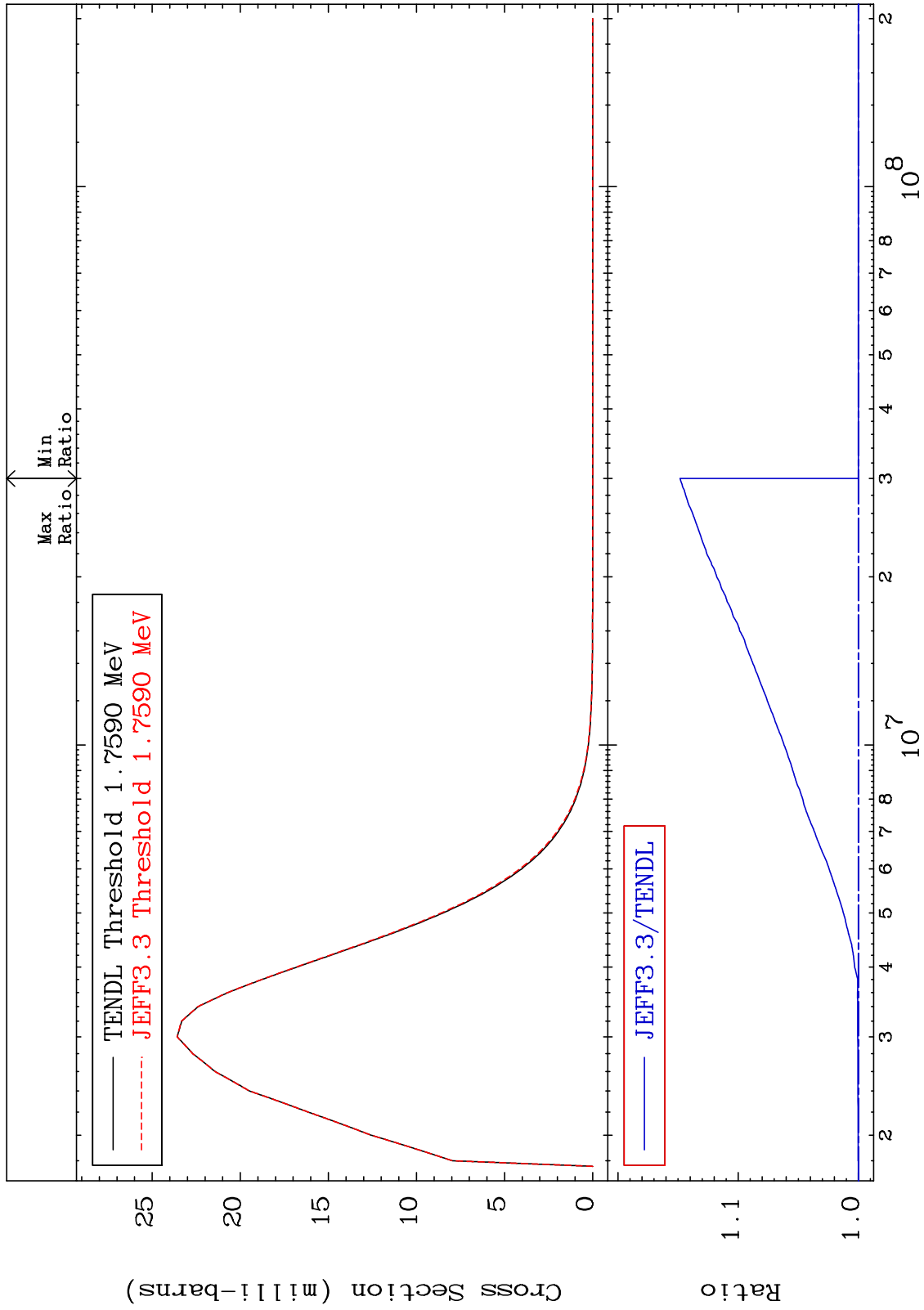
22-Ti-49
0.000 To 1.306 %



MAT 2234

MT= 56 (n,n') Level
Cross Section

0.000 To 14.84 %
22-Ti-49



22

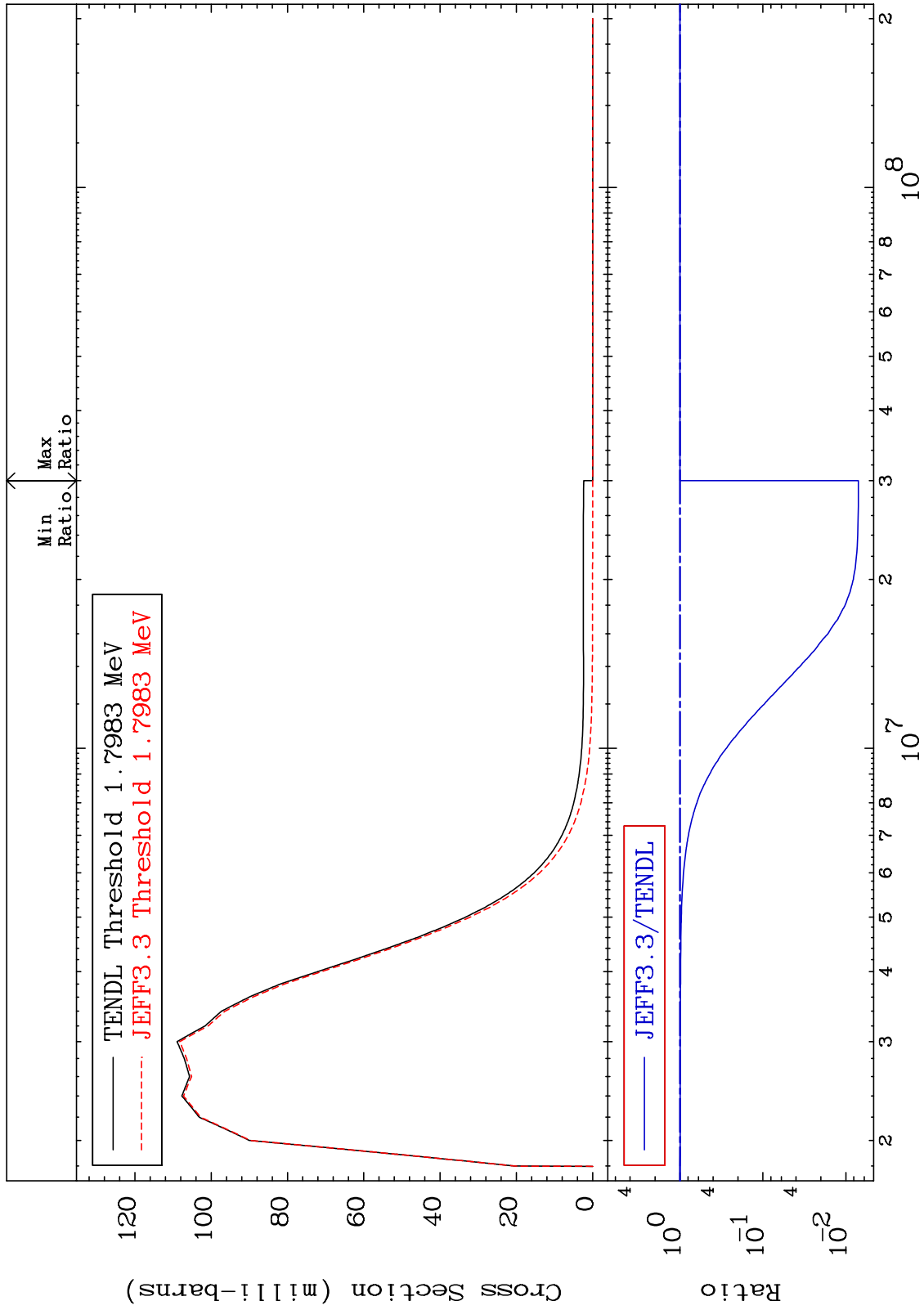
Incident Energy (eV)

22-Ti-49

MAT 2234

MT= 57 (n,n') Level
Cross Section

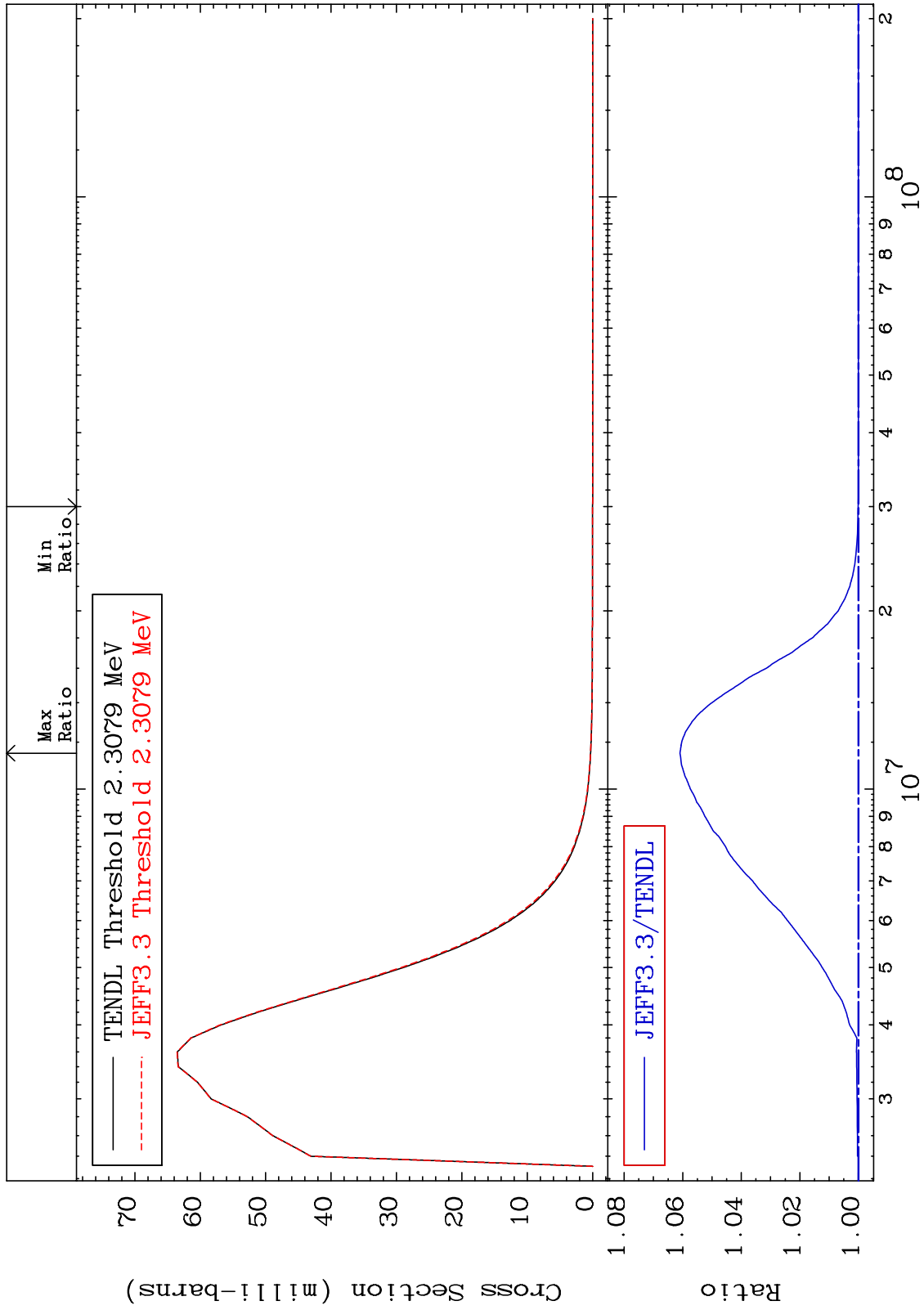
22-Ti-49
-99.29 To 0.000 %

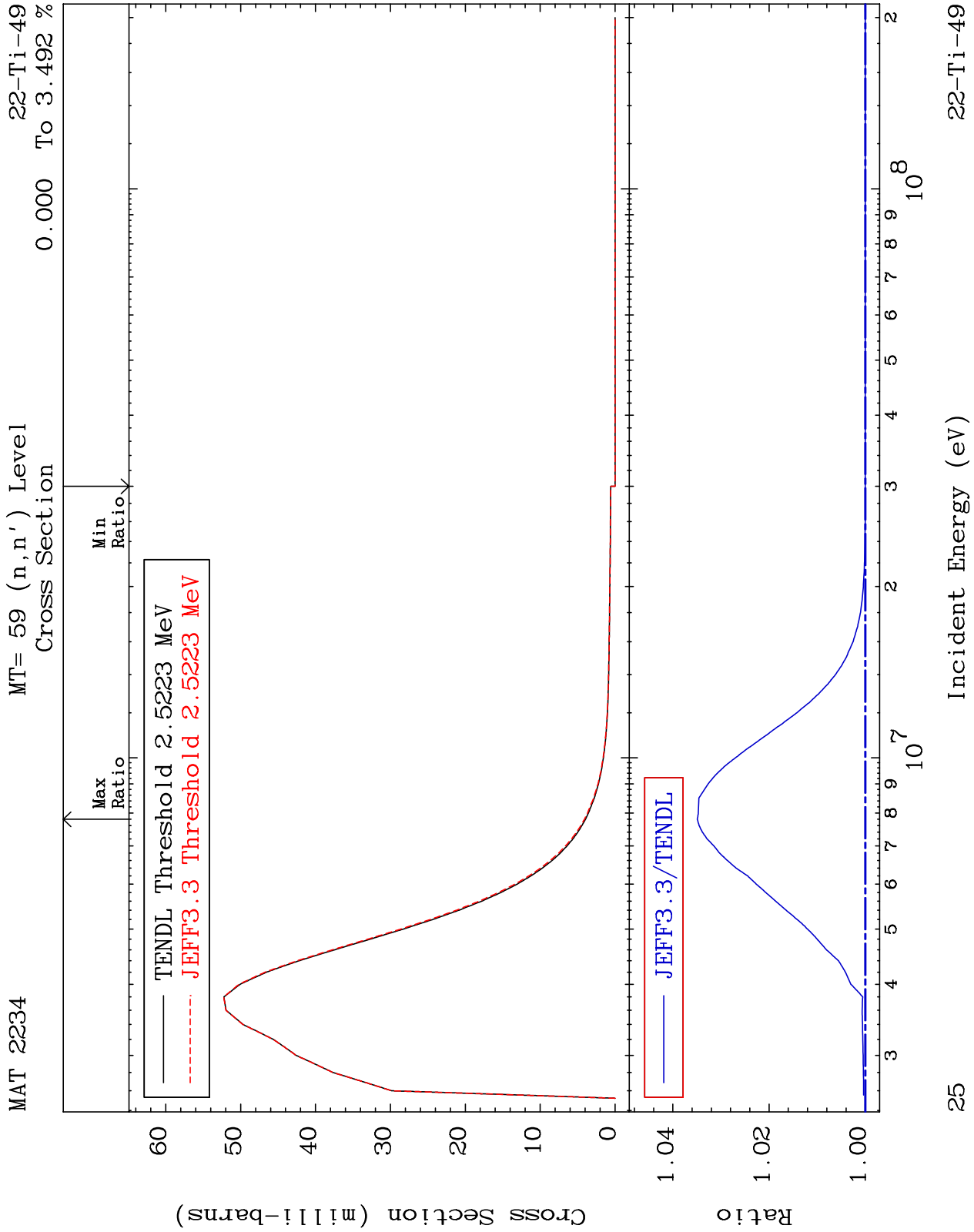


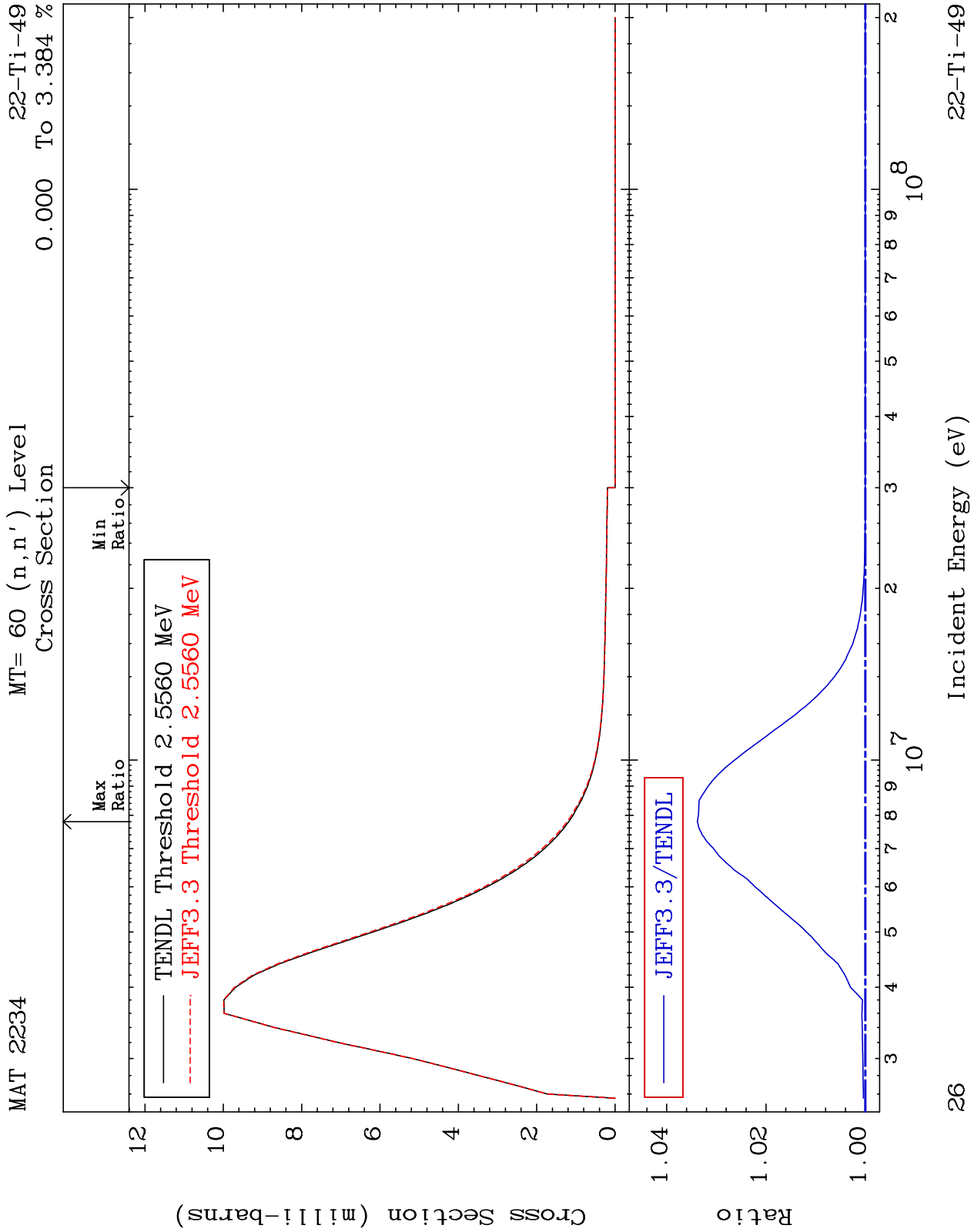
MAT 2234

MT= 58 (n, n') Level
Cross Section

22-Ti-49
0.000 To 6.092 %



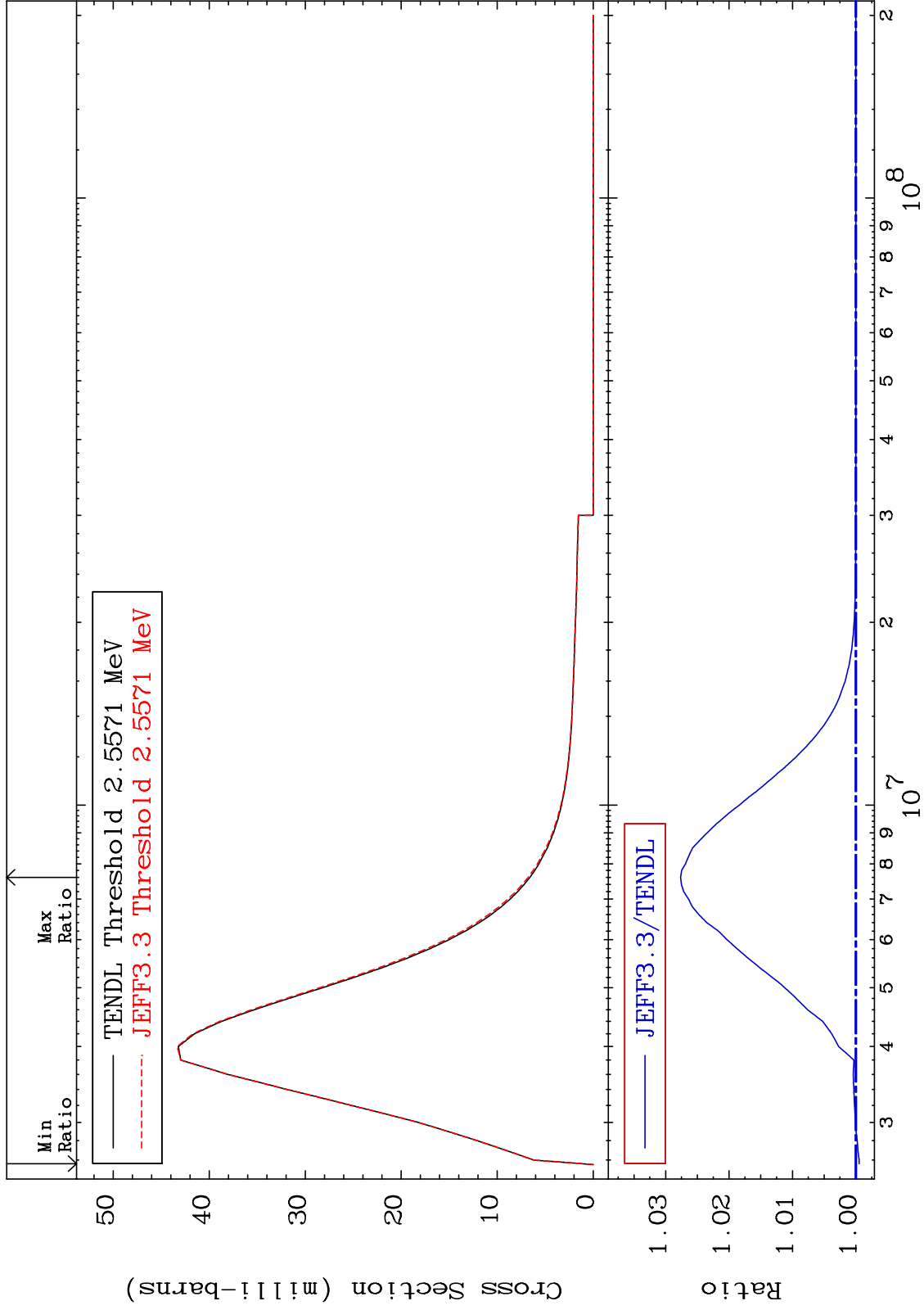




MAT 2234

MT= 61 (n,n') Level
Cross Section

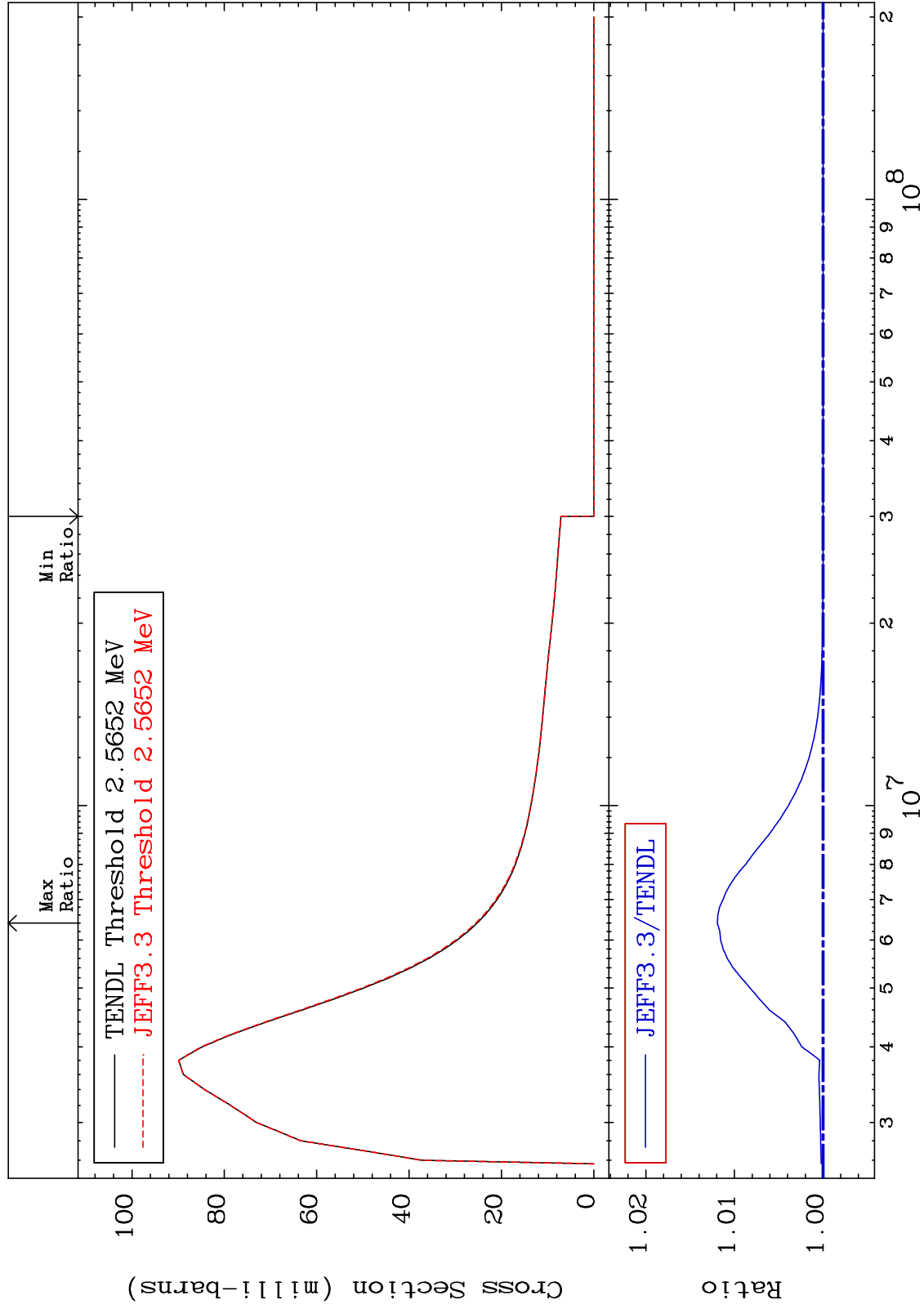
22-Ti-49
-0.052 To 2.764 %



MAT 2234

MT= 62 (n, n') Level
Cross Section

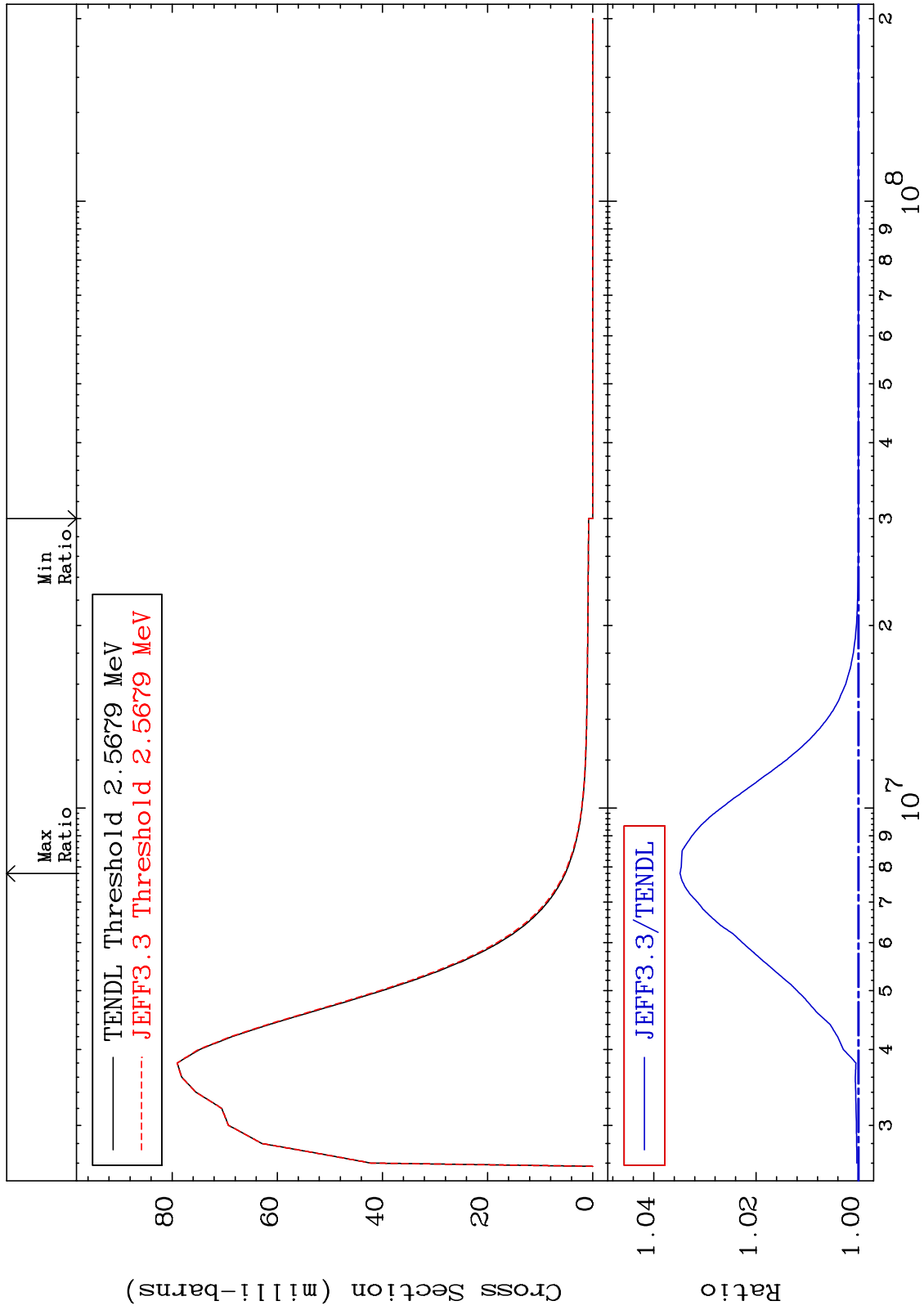
0.000 To 1.193 %
22-Ti-49



MAT 2234

MT= 63 (n, n') Level
Cross Section

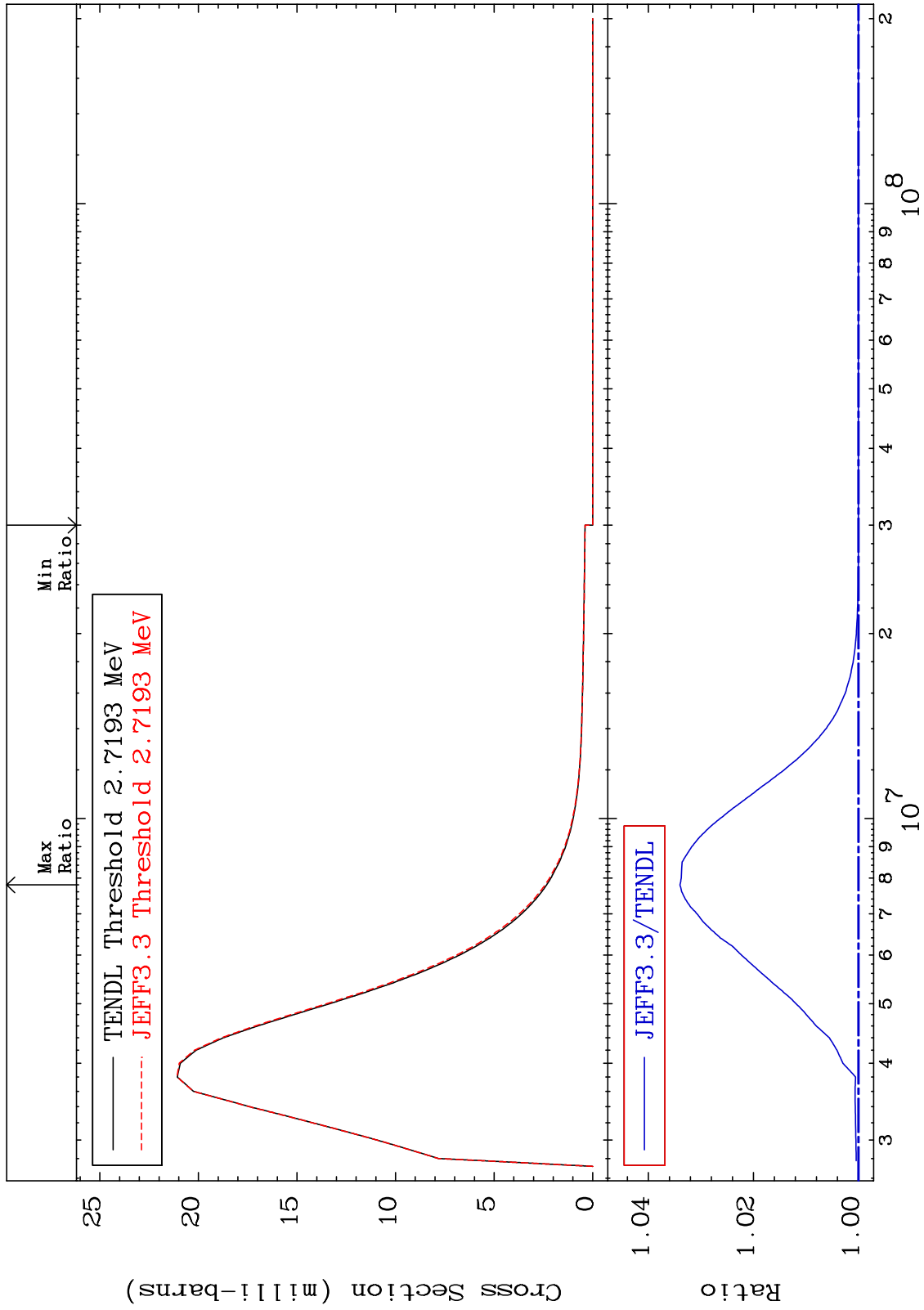
22-Ti-49
0.000 To 3.486 %



MAT 2234

MT= 64 (n, n') Level
Cross Section

22-Ti-49
0.000 To 3.398 %



30

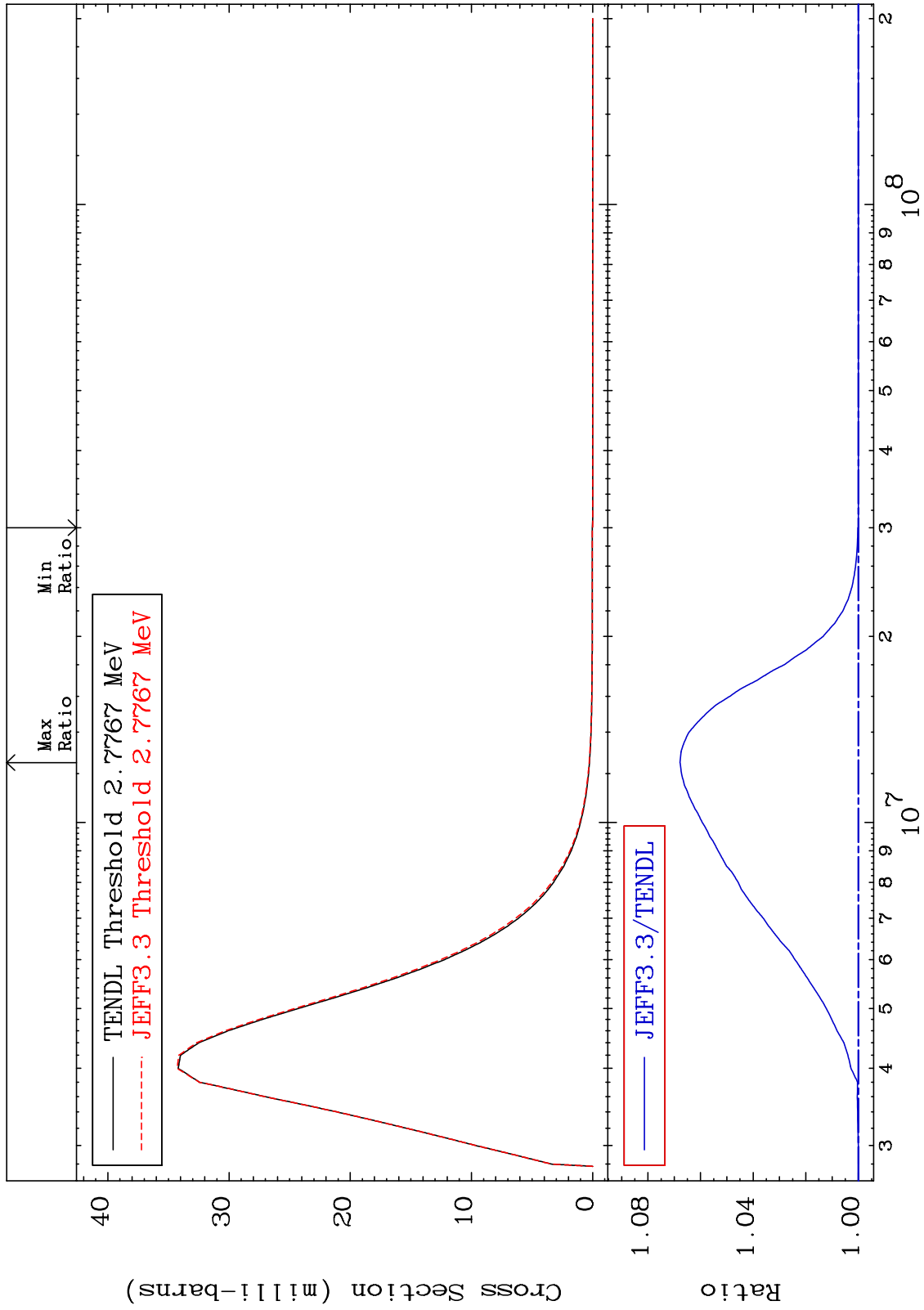
Incident Energy (eV)

22-Ti-49

MAT 2234

MT= 65 (n,n') Level
Cross Section

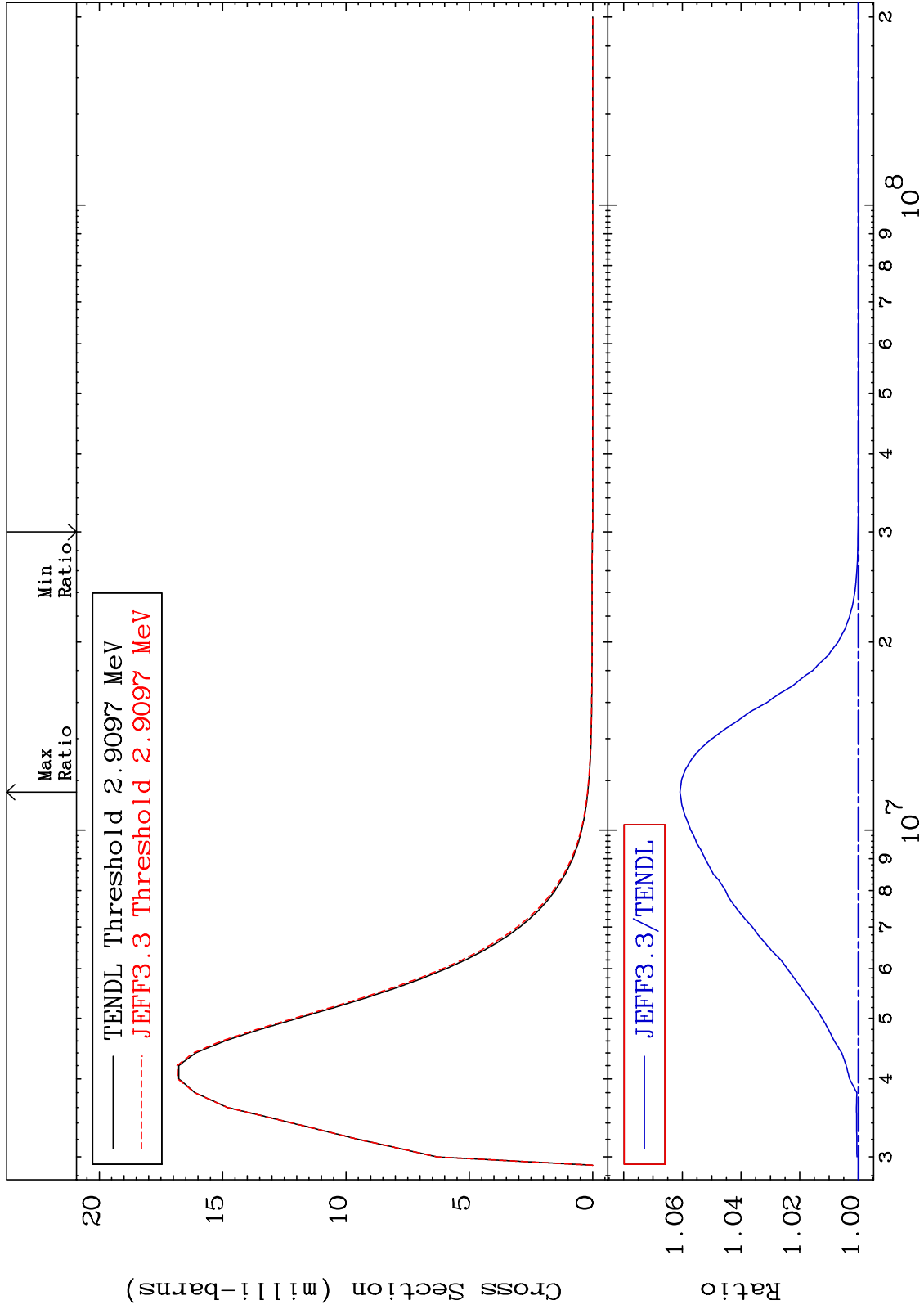
22-Ti-49
0.000 To 6.781 %



MAT 2234

MT= 66 (n, n') Level
Cross Section

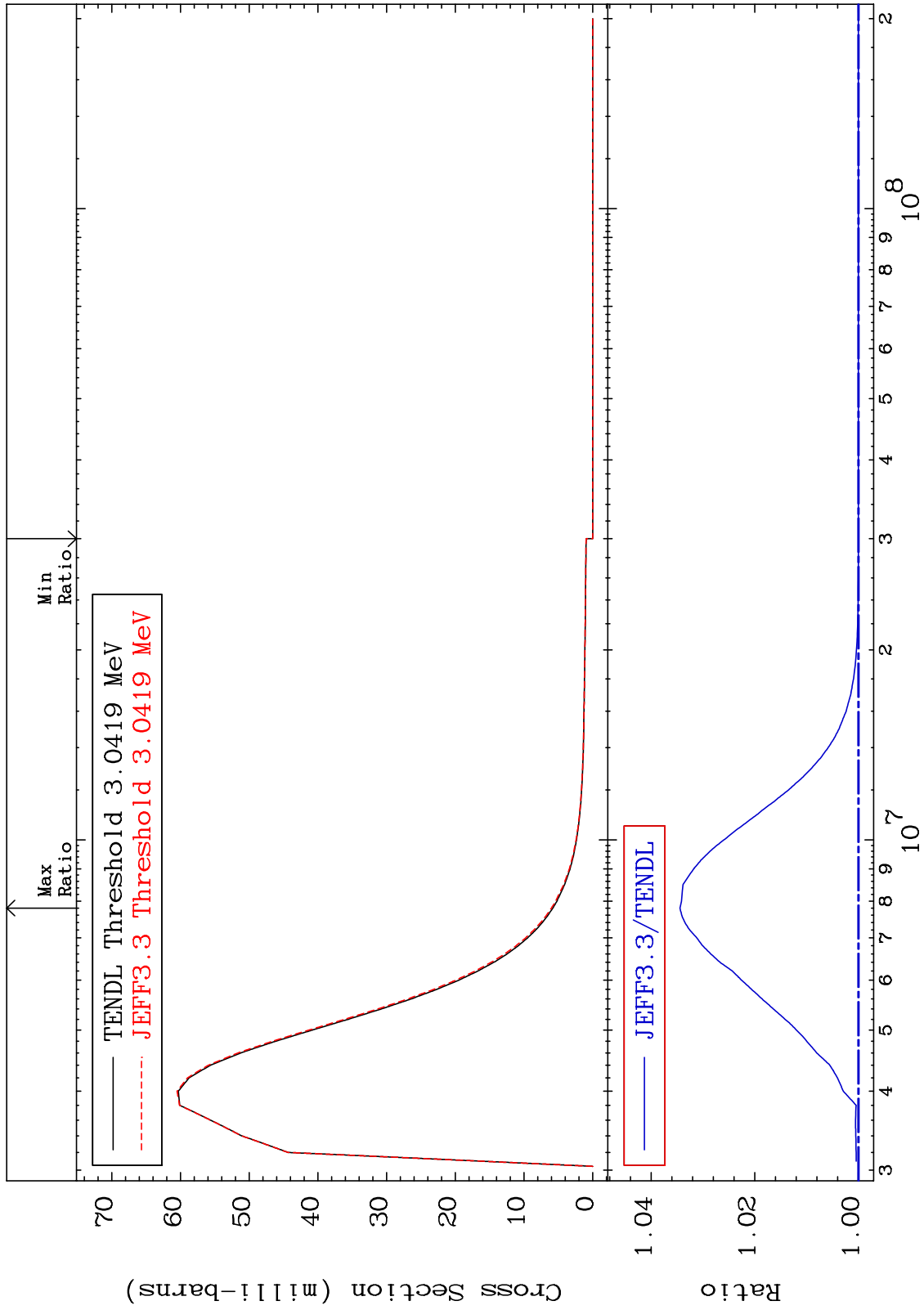
22-Ti-49
0.000 To 6.080 %



MAT 2234

MT= 67 (n, n') Level
Cross Section

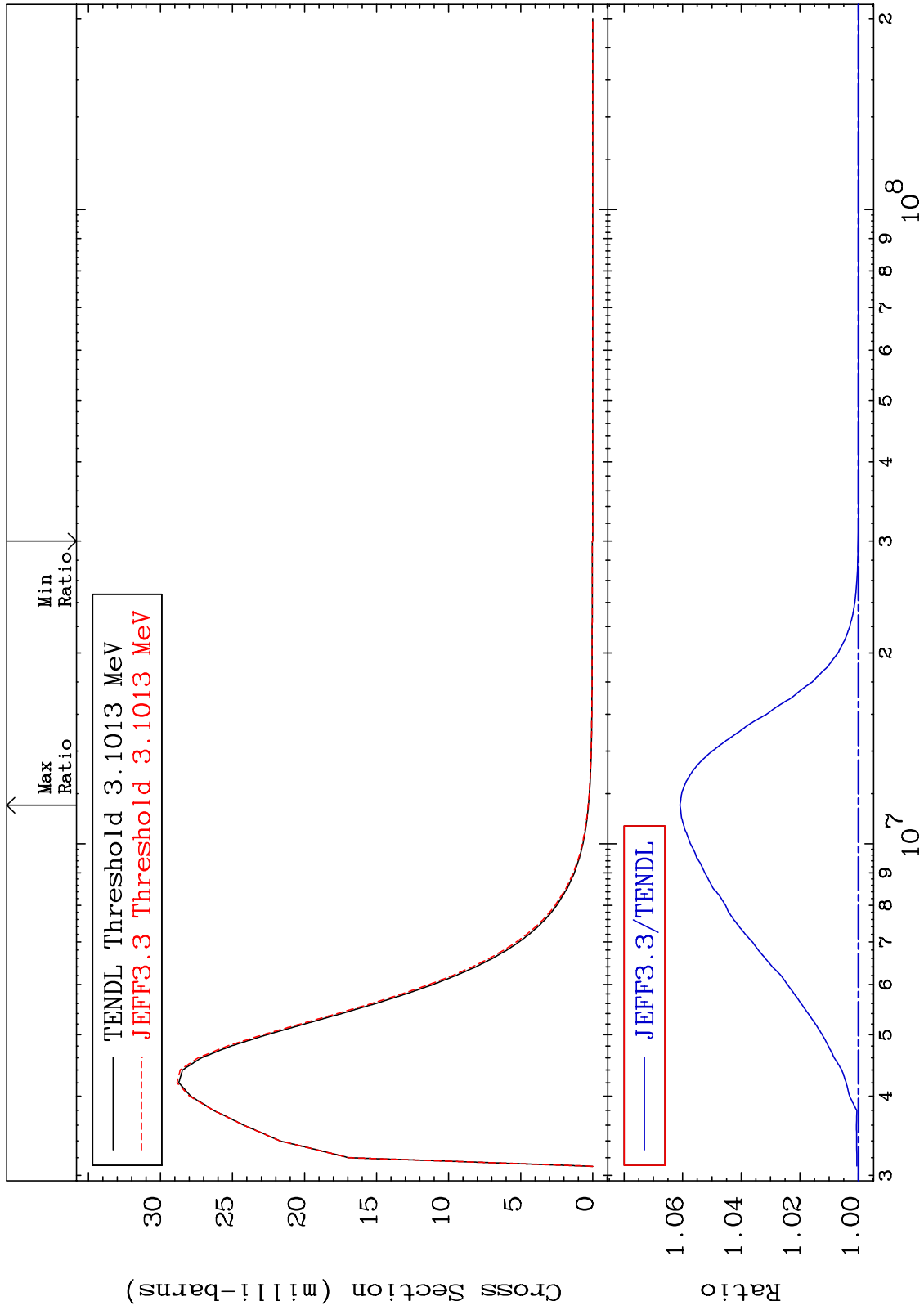
22-Ti-49
0.000 To 3.445 %



MAT 2234

MT= 68 (n, n') Level
Cross Section

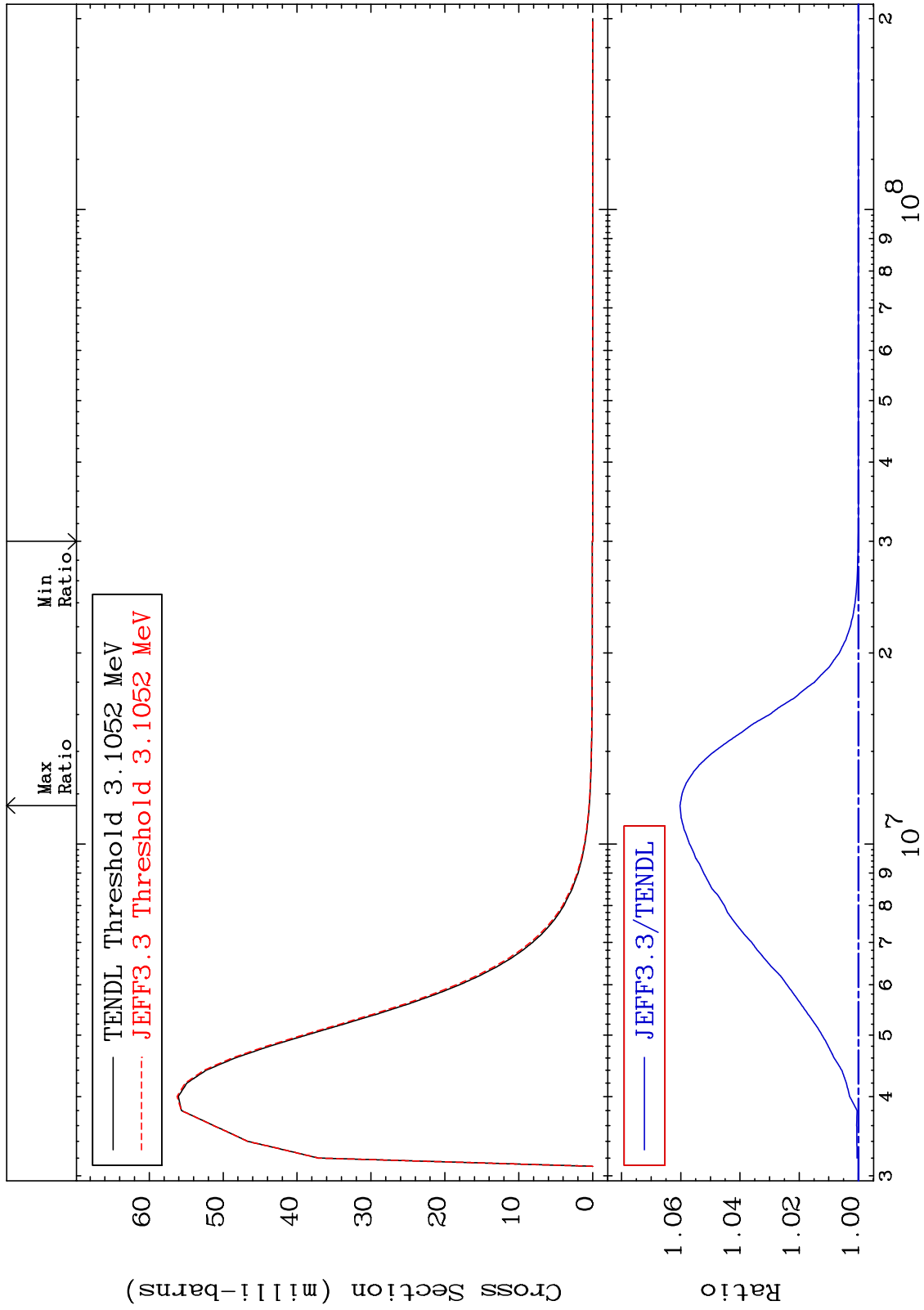
0.000 To 6.089 %
22-Ti-49



MAT 2234

MT= 69 (n, n') Level
Cross Section

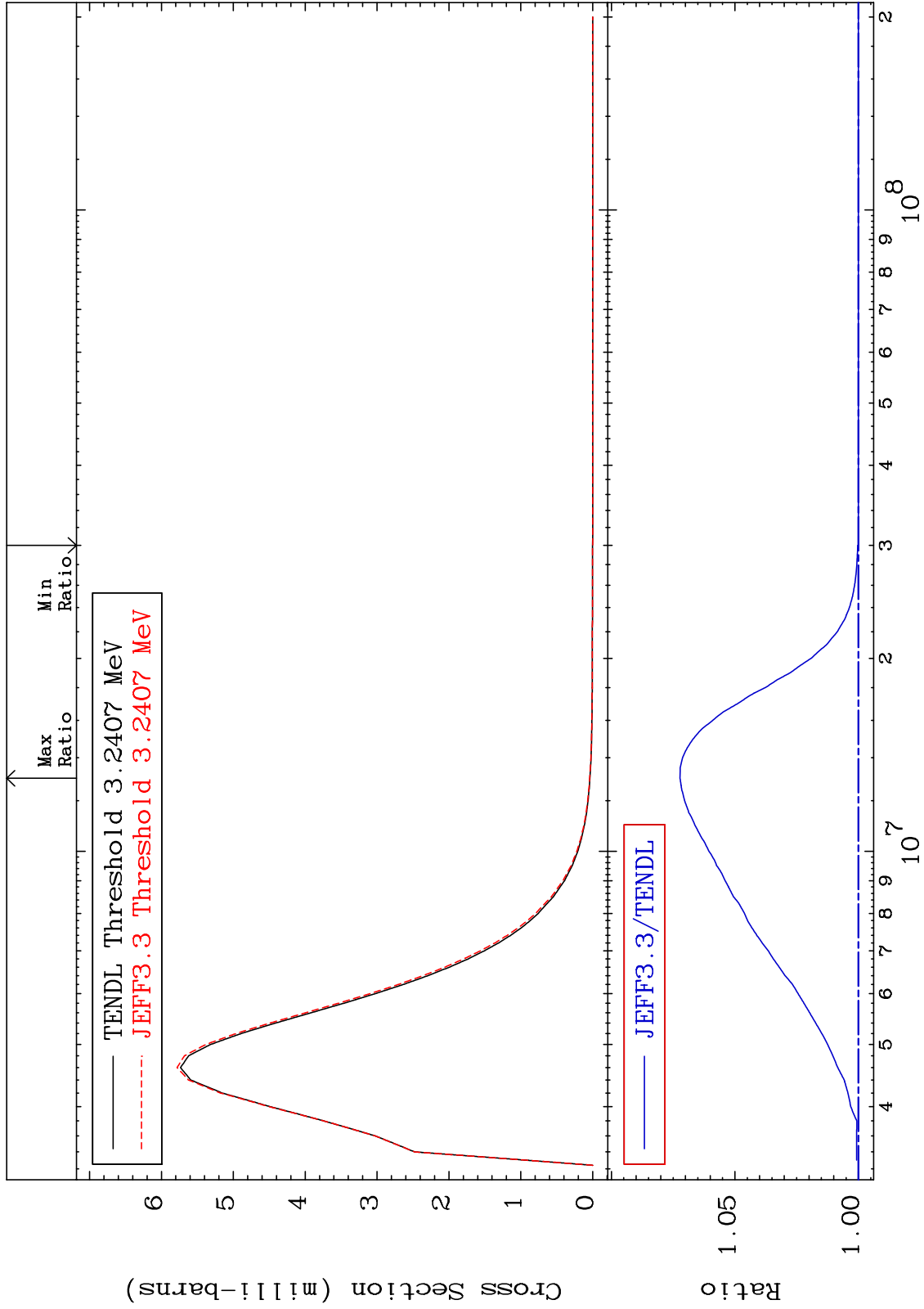
0.000 To 6.027 %
22-Ti-49



MAT 2234

MT= 70 (n, n') Level
Cross Section

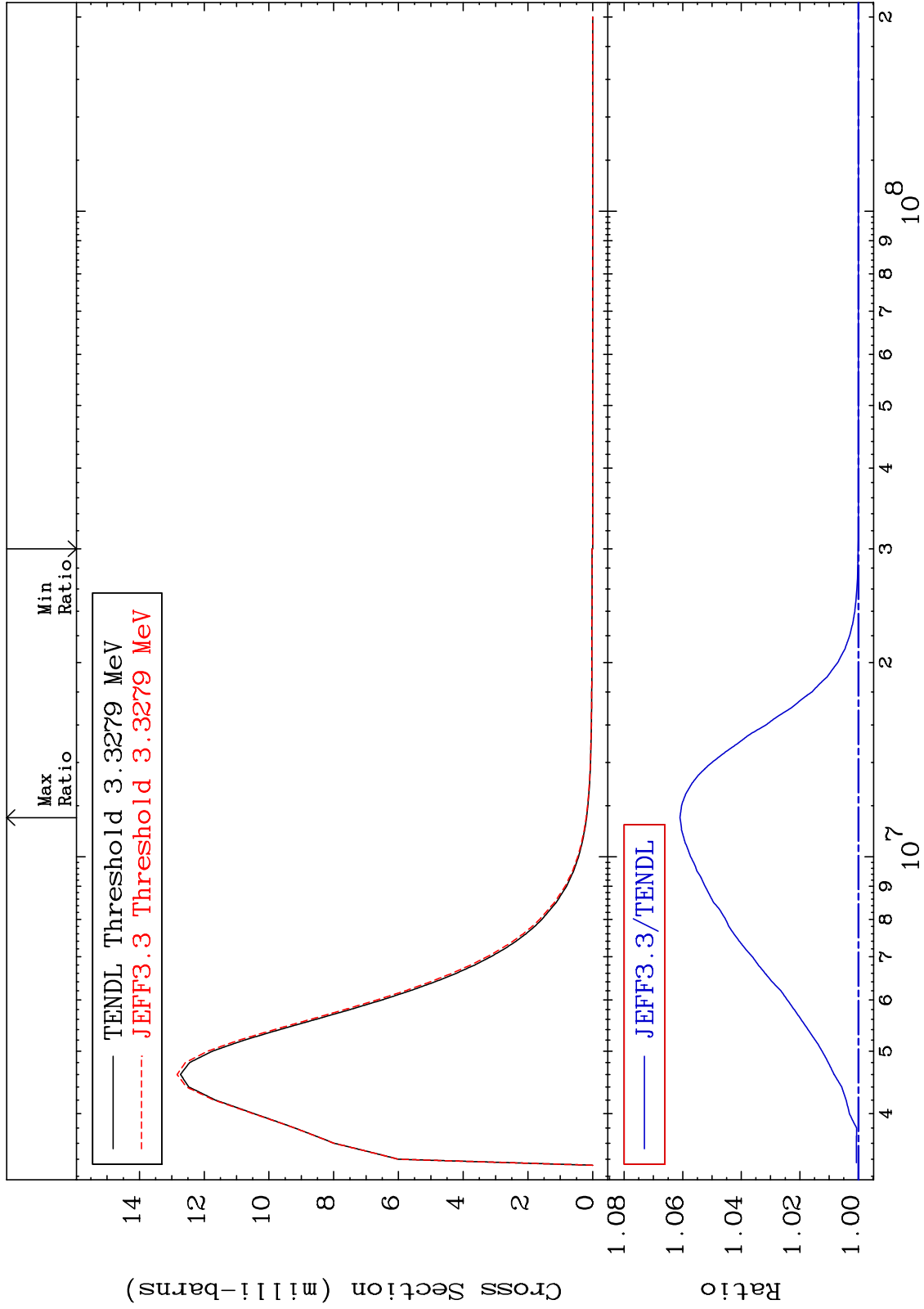
0.000 To 7.222 %
22-Ti-49



MAT 2234

MT= 71 (n,n') Level
Cross Section

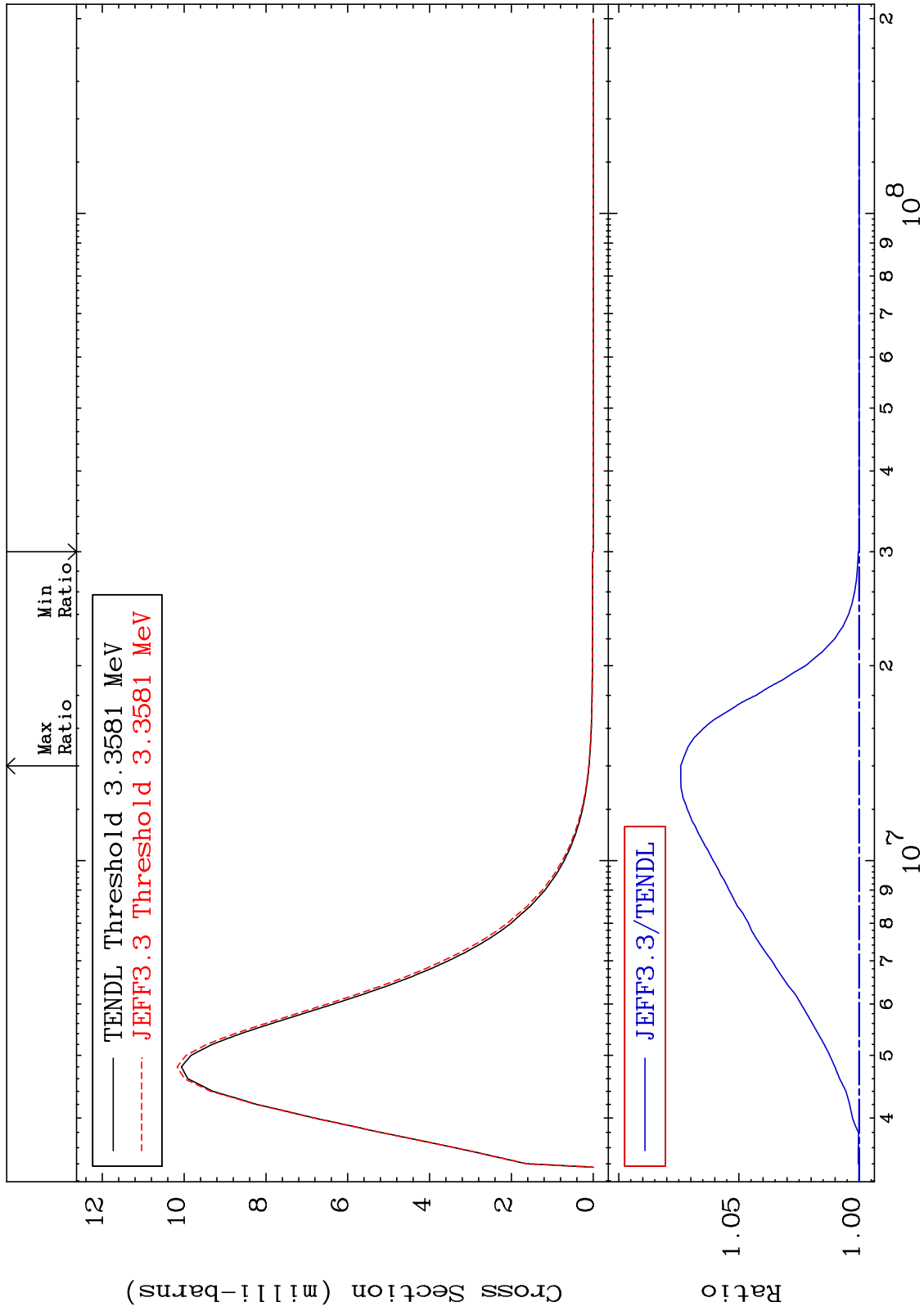
22-Ti-49
0.000 To 6.092 %



MAT 2234

MT= 72 (n,n') Level
Cross Section

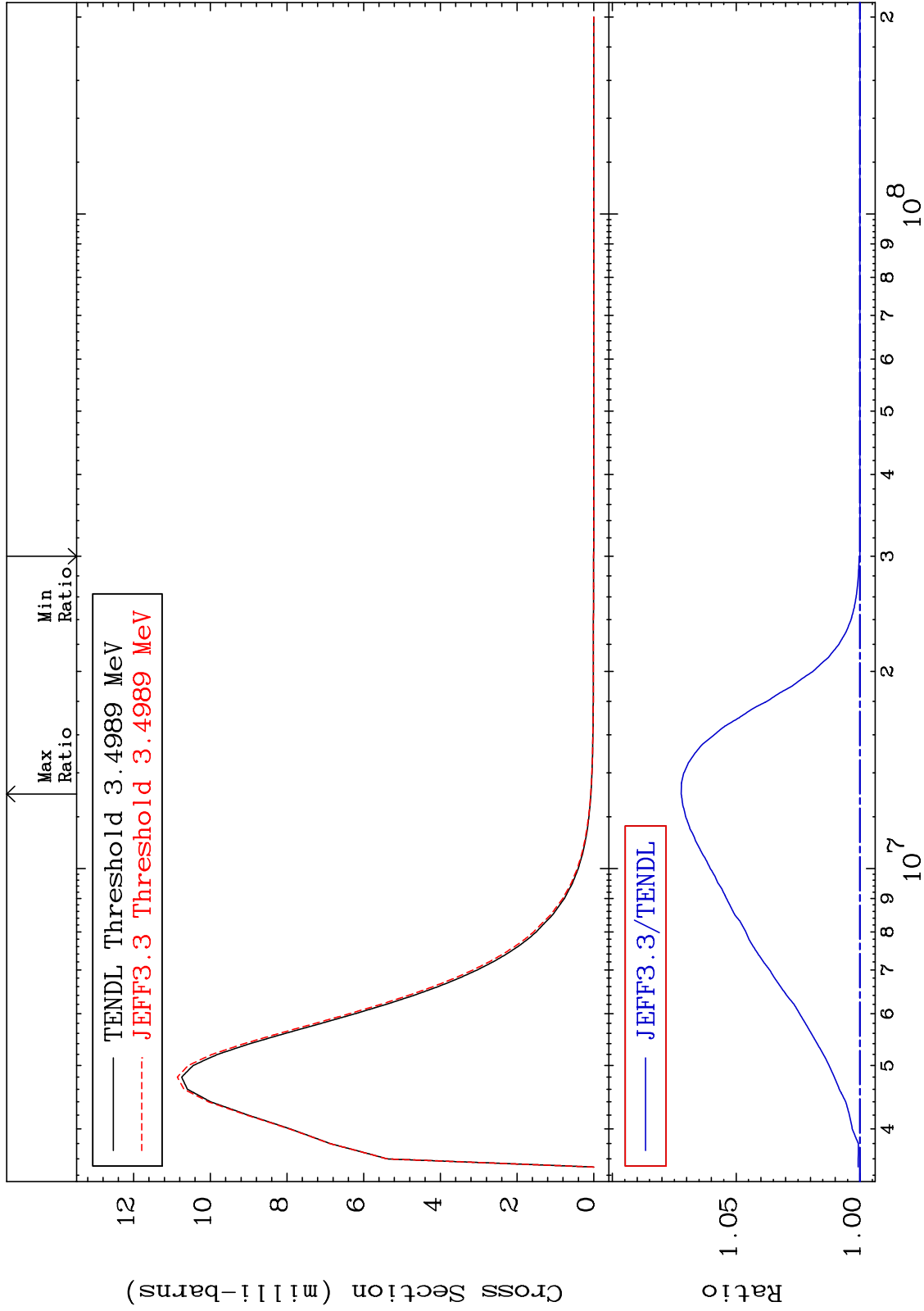
0.000 To 7.425 %
22-Ti-49



MAT 2234

MT= 73 (n, n') Level
Cross Section

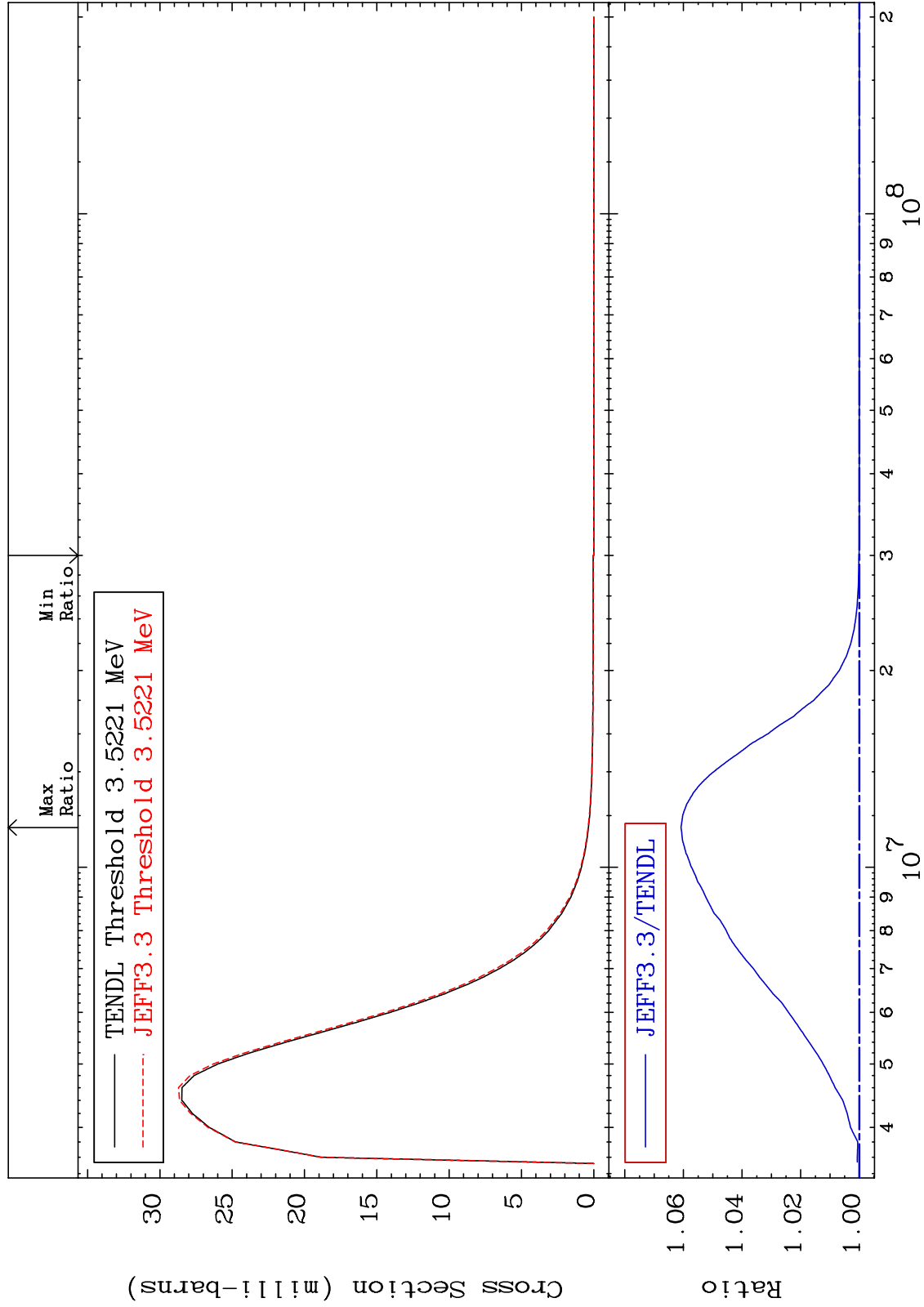
0.000 To 7.220 %
22-Ti-49



MAT 2234

MT= 74 (n,n') Level
Cross Section

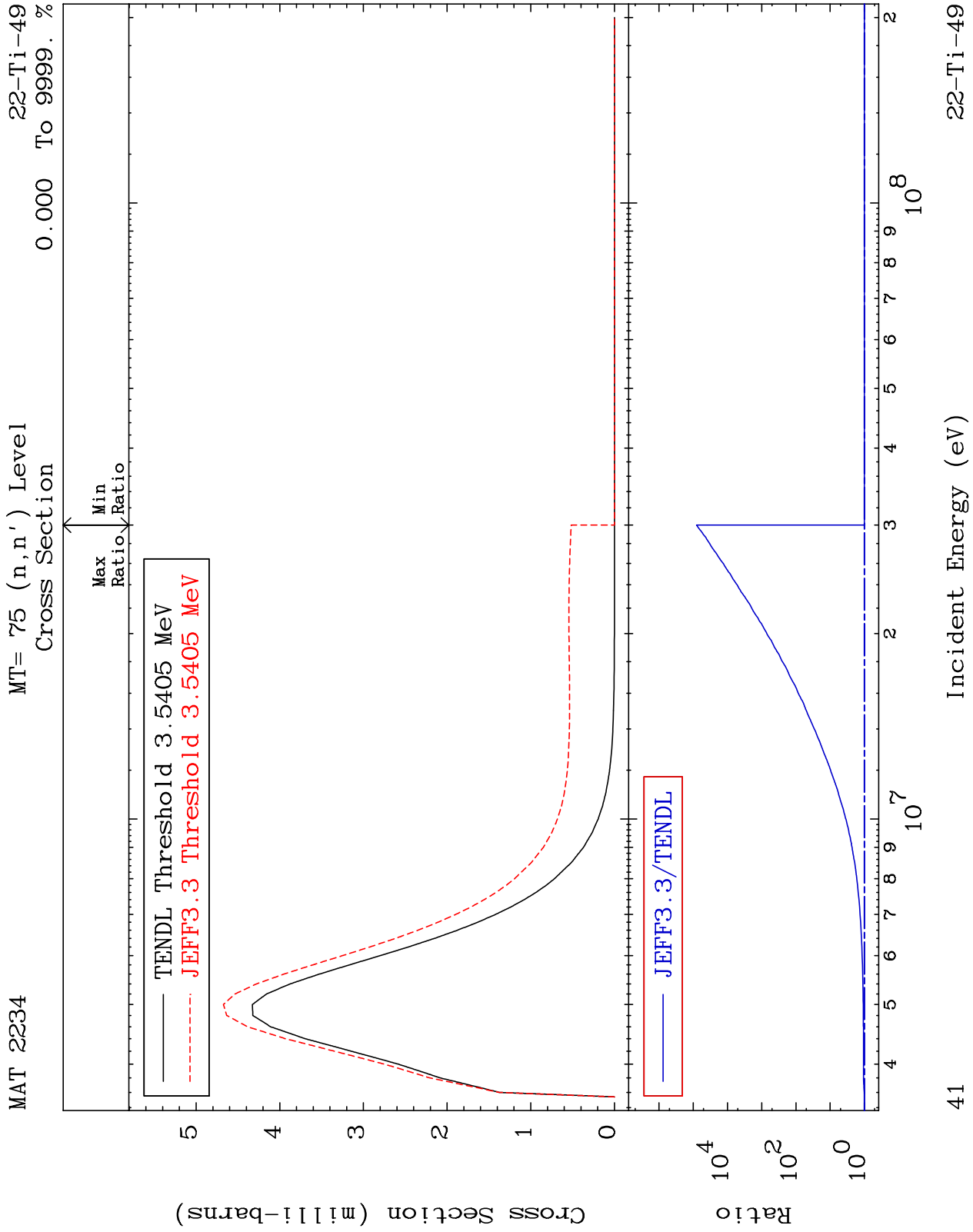
0.000 To 6.082 %
22-Ti-49



40

Incident Energy (eV)

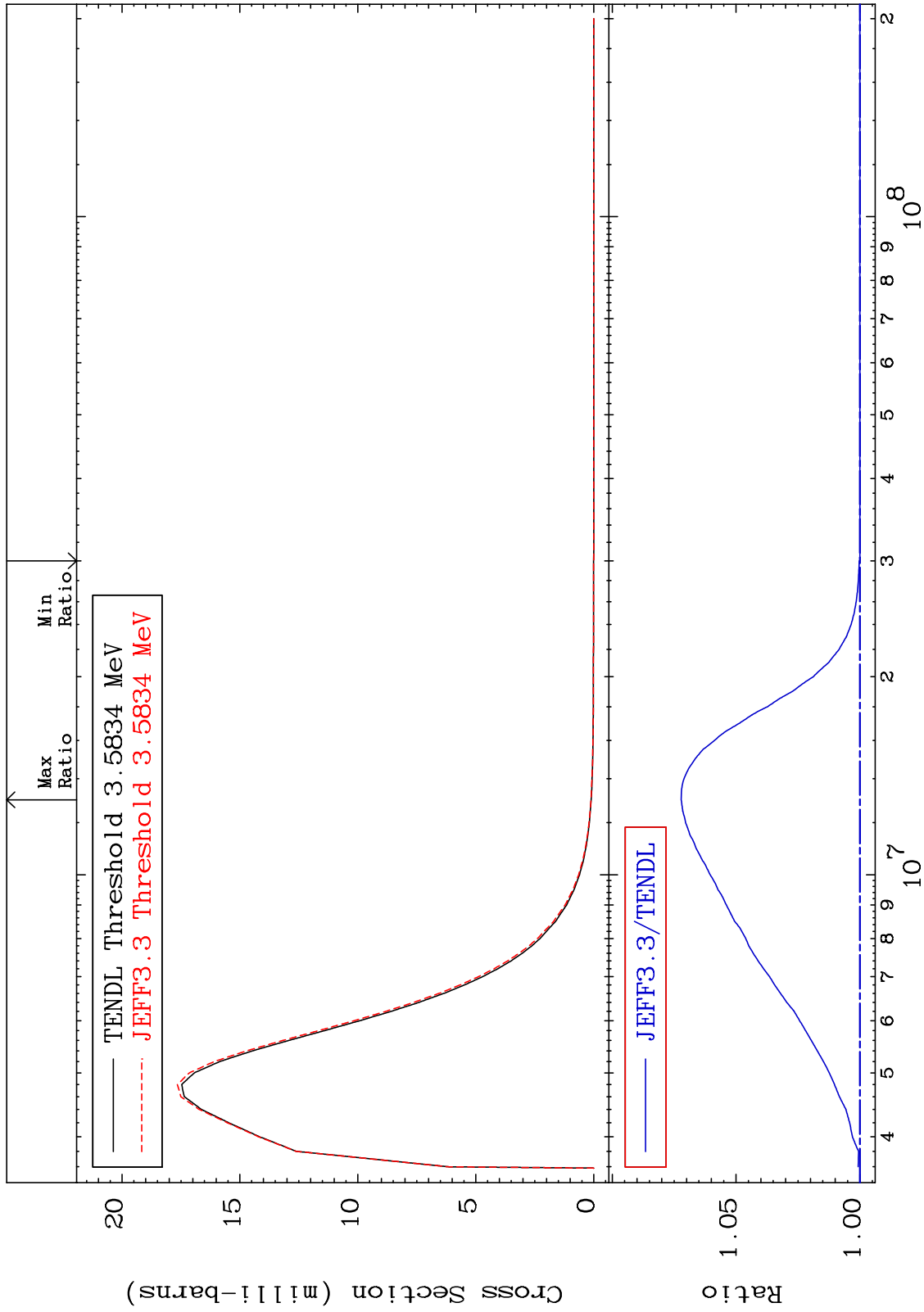
22-Ti-49



MAT 2234

MT= 76 (n,n') Level
Cross Section

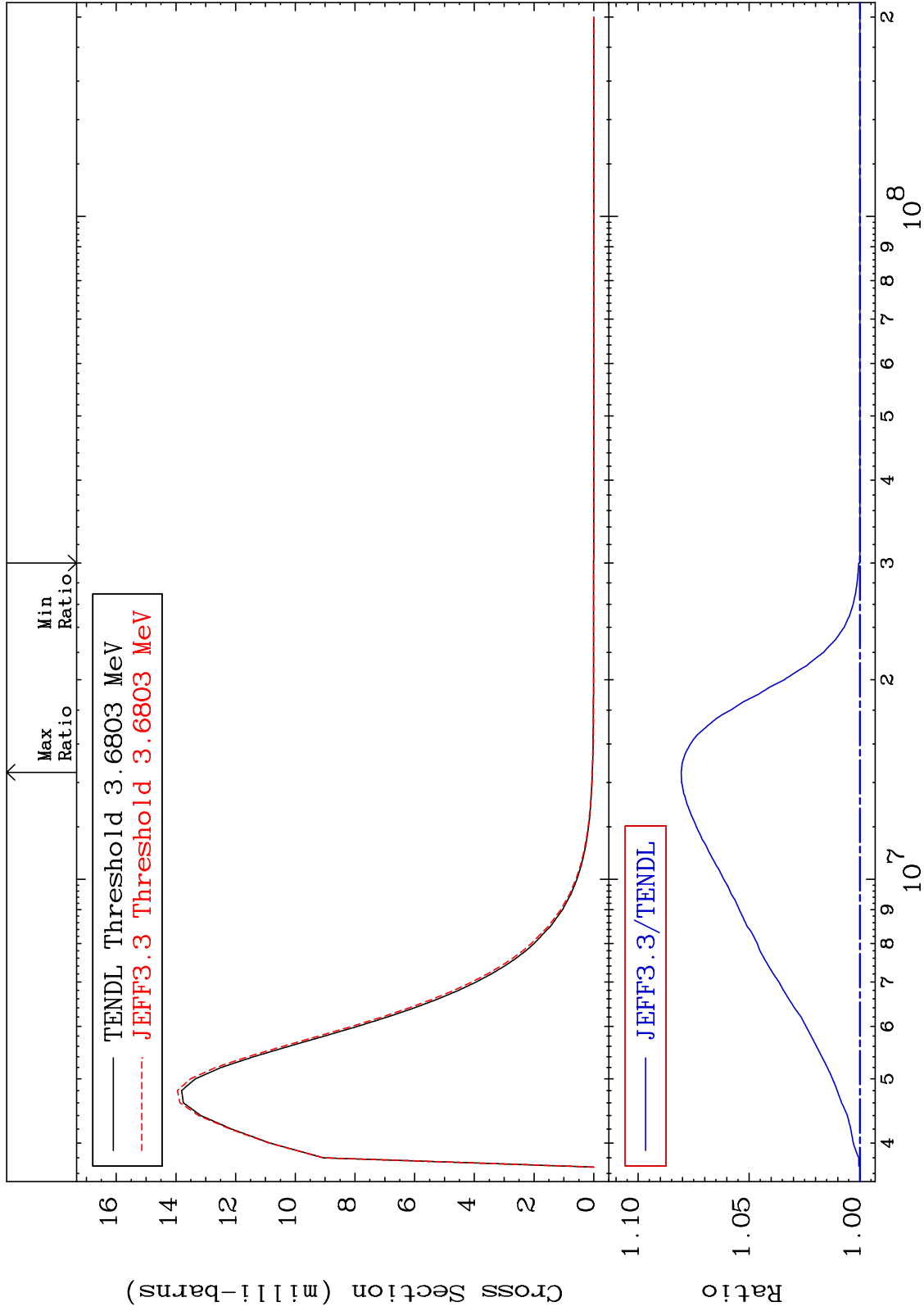
22-Ti-49
0.000 To 7.216 %



MAT 2234

MT= 77 (n,n') Level
Cross Section

0.000 To 8.060 %
22-Ti-49

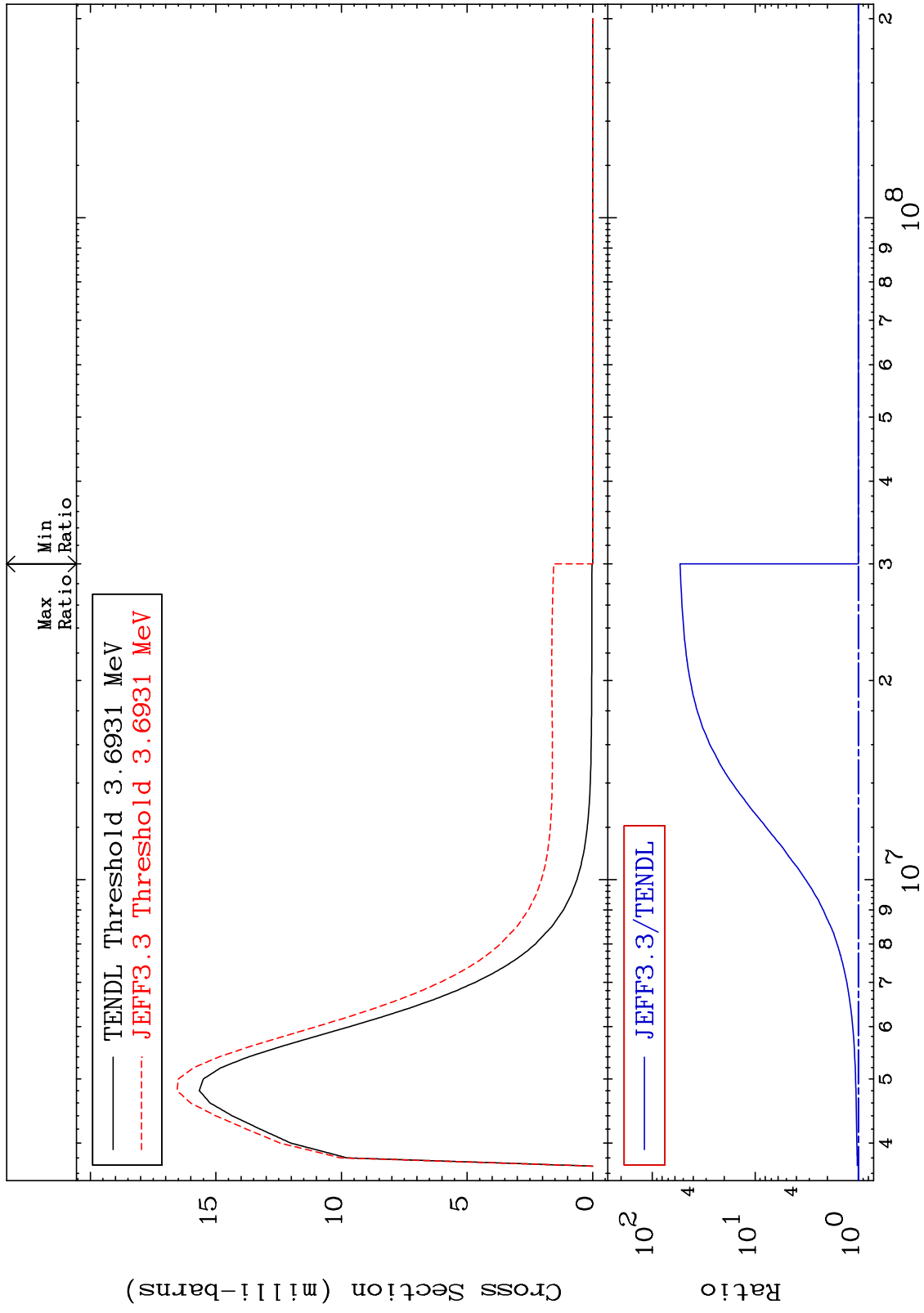


43

Incident Energy (eV)

22-Ti-49

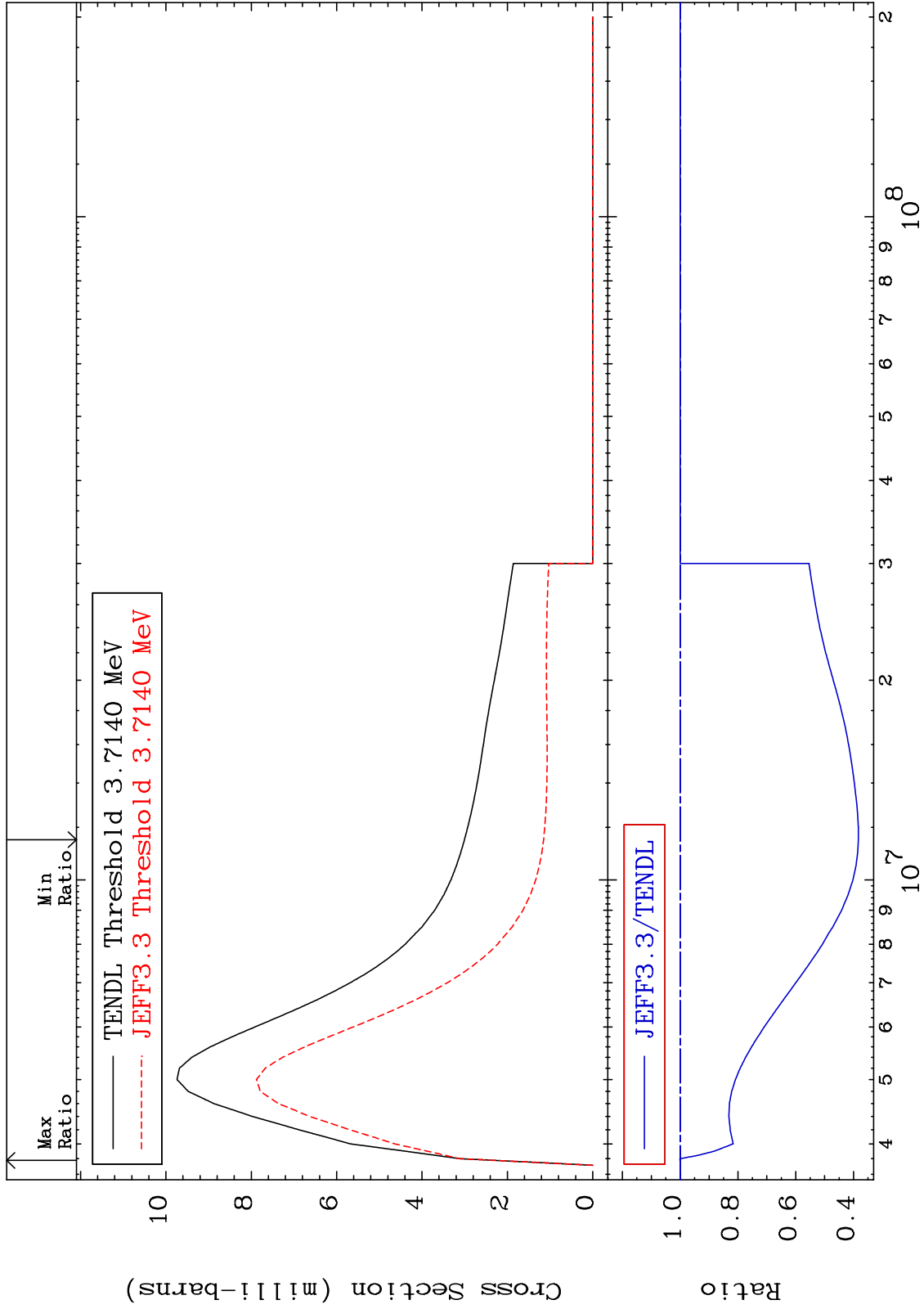
MAT 2234 MT= 78 (n,n') Level 22-Ti-49
 Cross Section 0.000 To 5267. %



MAT 2234

MT= 79 (n,n') Level
Cross Section

22-Ti-49
-61.70 To 0.058 %



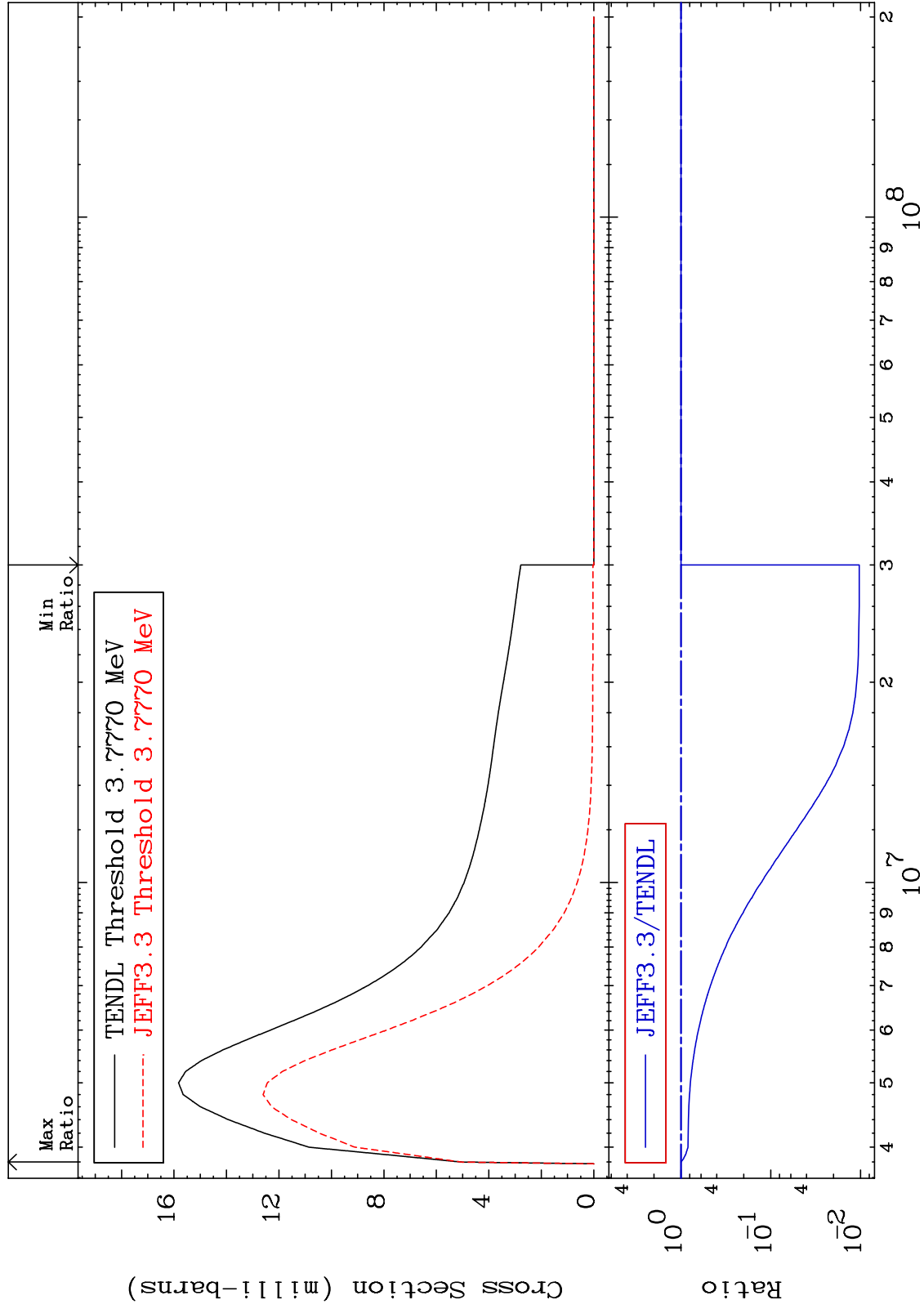
45

22-Ti-49

MAT 2234

MT= 80 (n,n') Level
Cross Section

22-Ti-49
-98.97 To 0.054 %



46

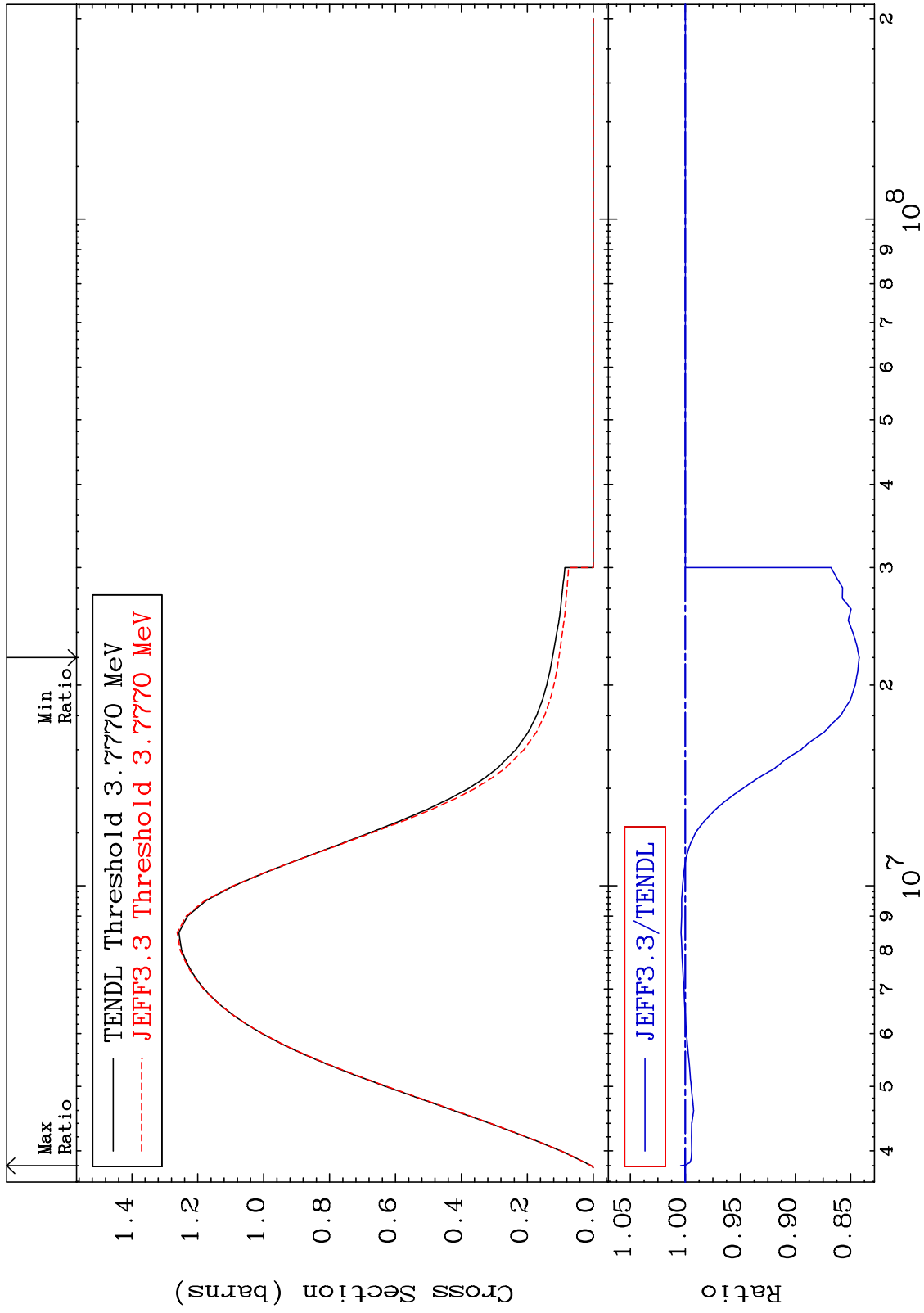
Incident Energy (eV)

22-Ti-49

MAT 2234

(n,n') Continuum
Cross Section

22-Ti-49
-15.78 To 0.427 %



47

Incident Energy (eV)

22-Ti-49

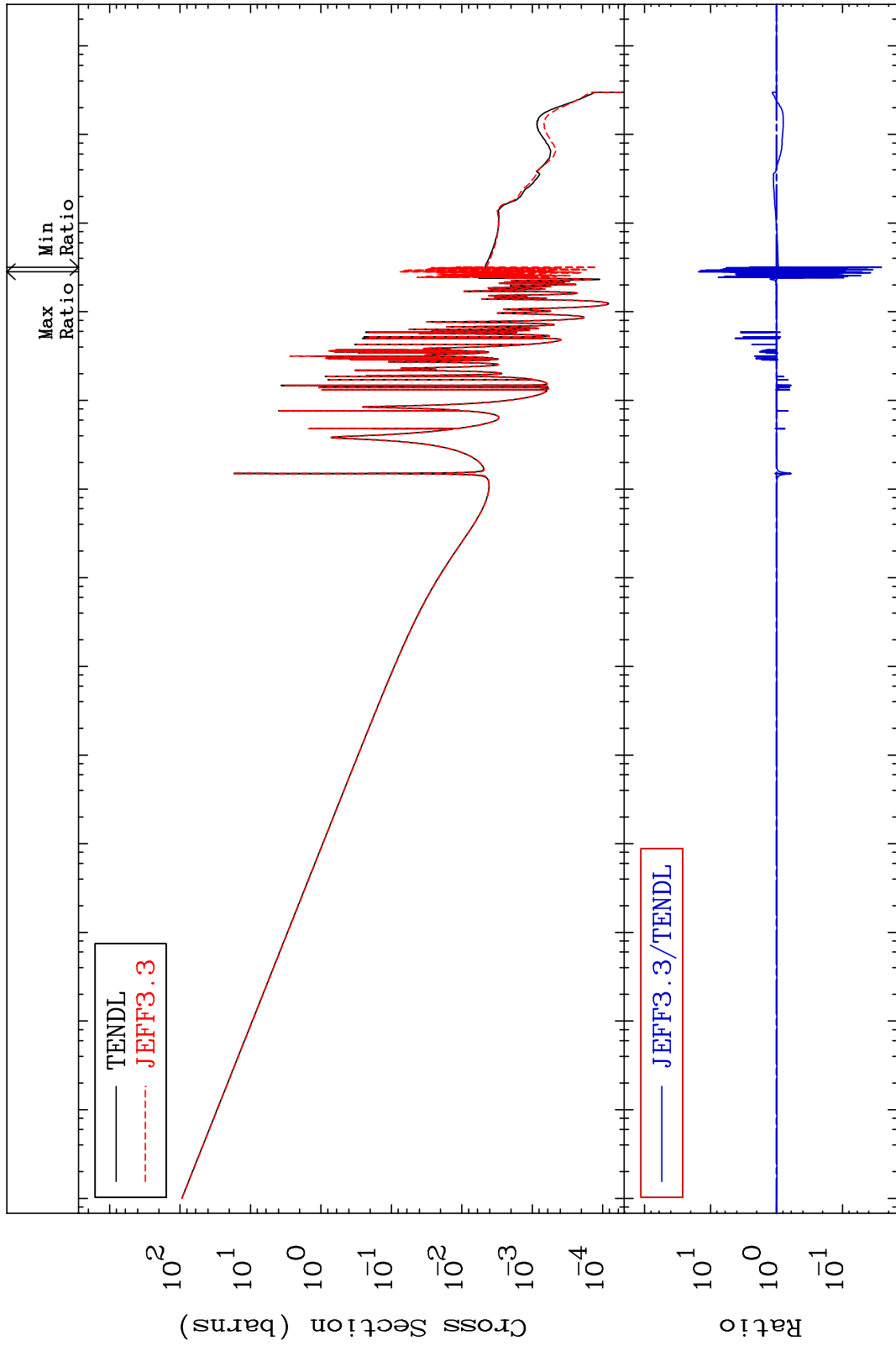
MAT 2234

(n, γ)

22-Ti-49

Cross Section

-97.43 To 1430. %



48

Incident Energy (eV)

22-Ti-49

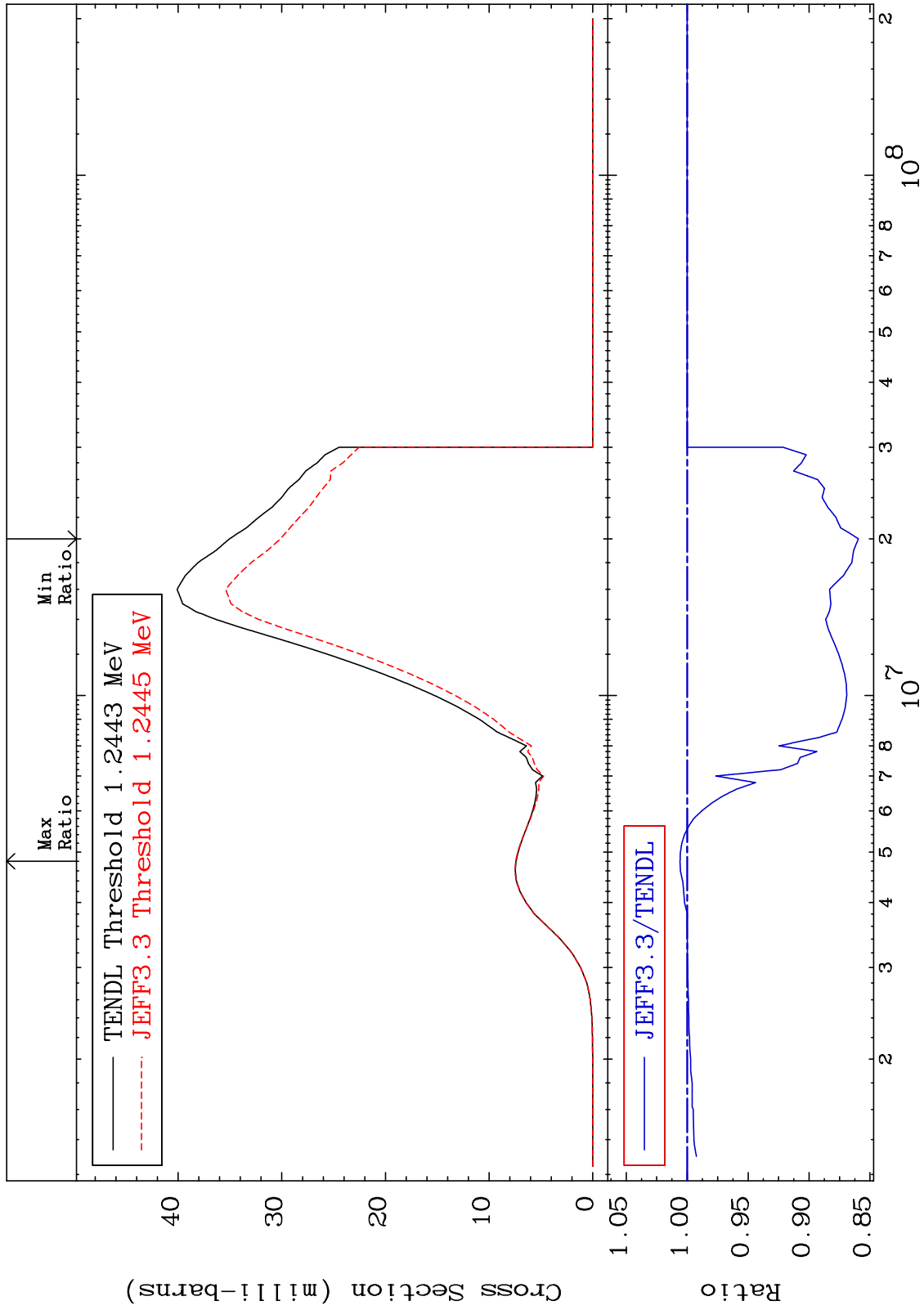
MAT 2234

(n, p)

22-Ti-49

Cross Section

-14.05 To 0.588 %



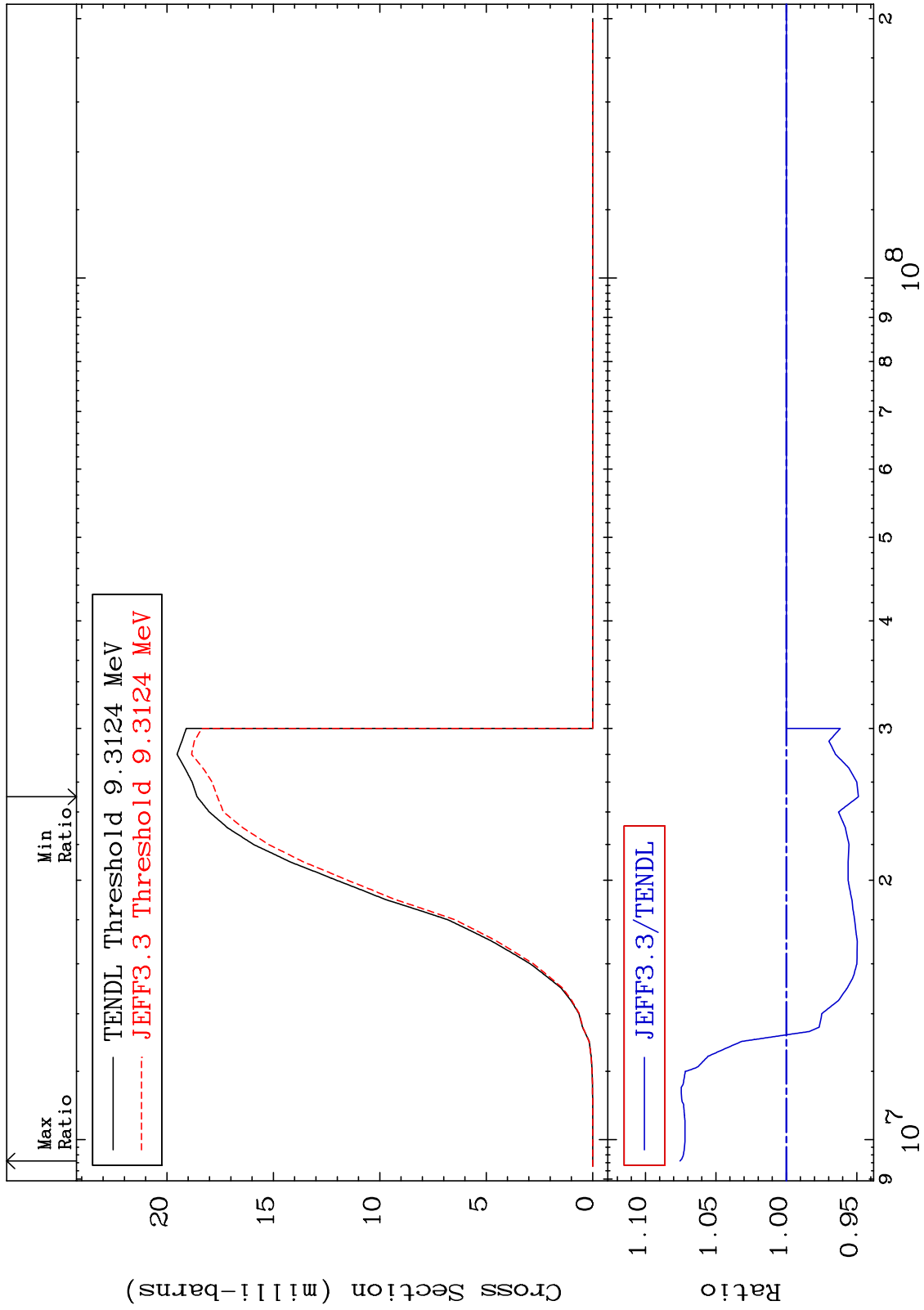
MAT 2234

(n, d)

22-Ti-49

Cross Section

-5.117 To 7.548 %

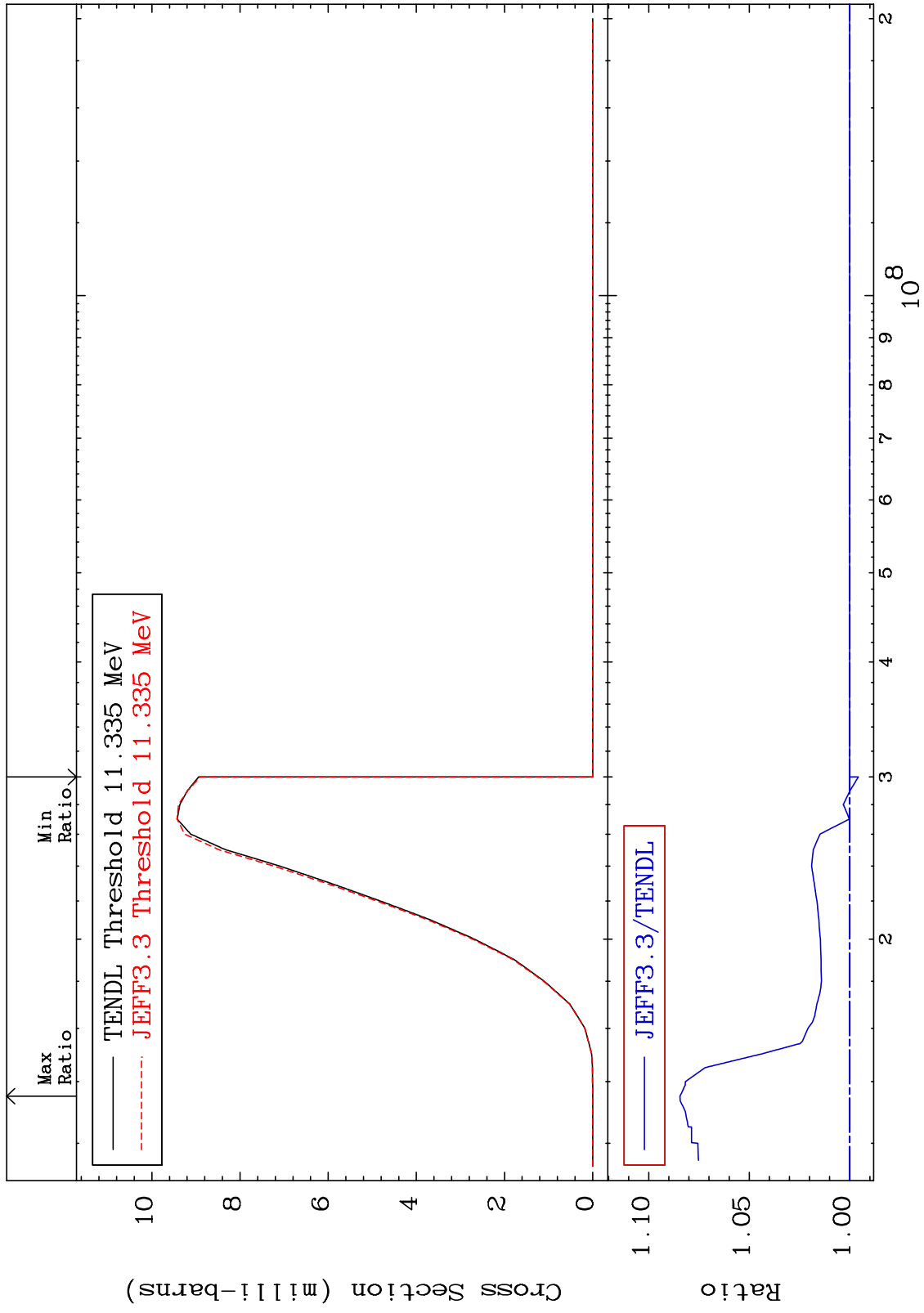


50

Incident Energy (eV)

22-Ti-49

MAT 2234 (n, t) Cross Section 22-Ti-49
 -0.432 To 8.445 %



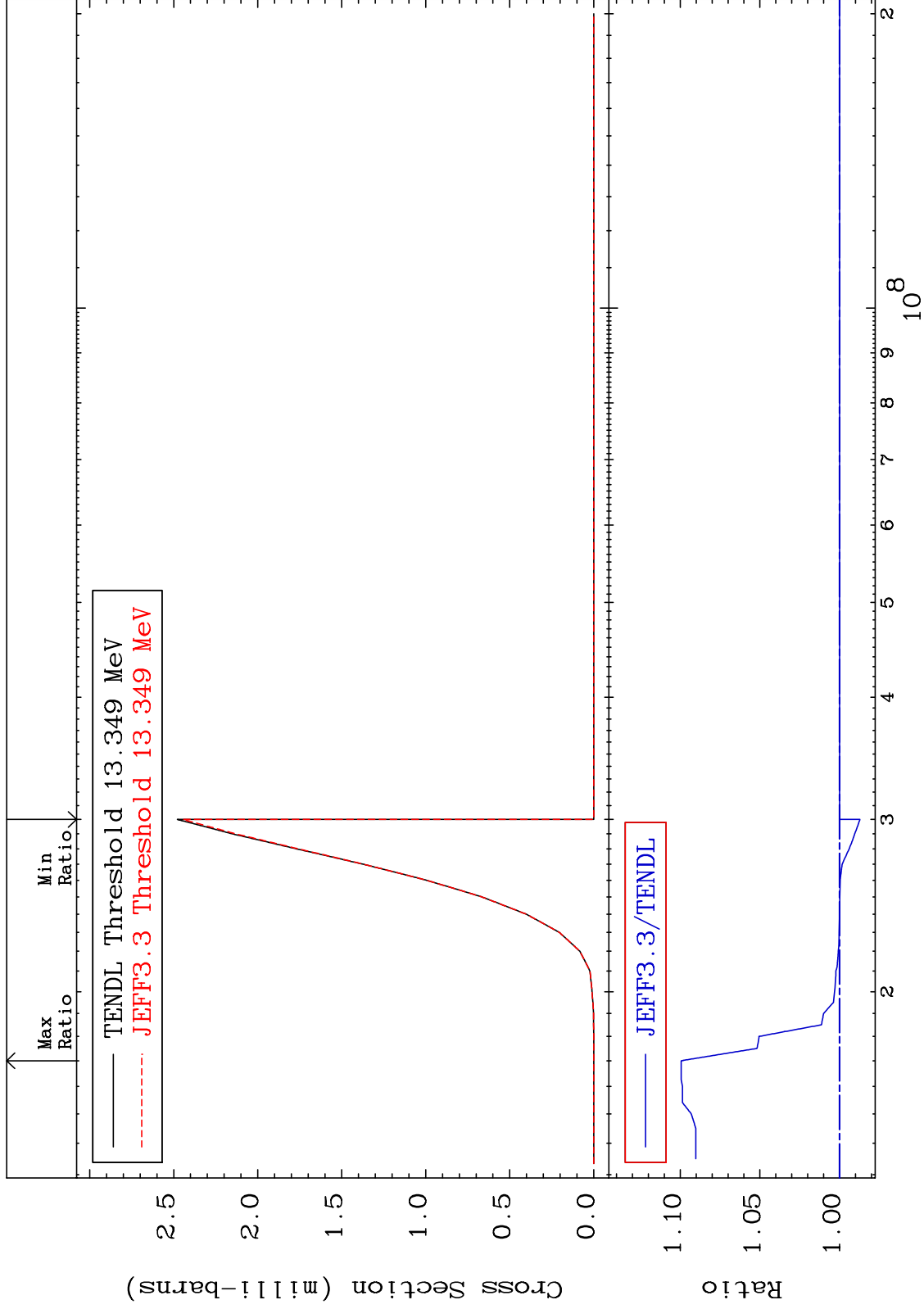
MAT 2234

(n, He-3)

22-Ti-49

Cross Section

-1.282 To 9.939 %



52

Incident Energy (eV)

22-Ti-49

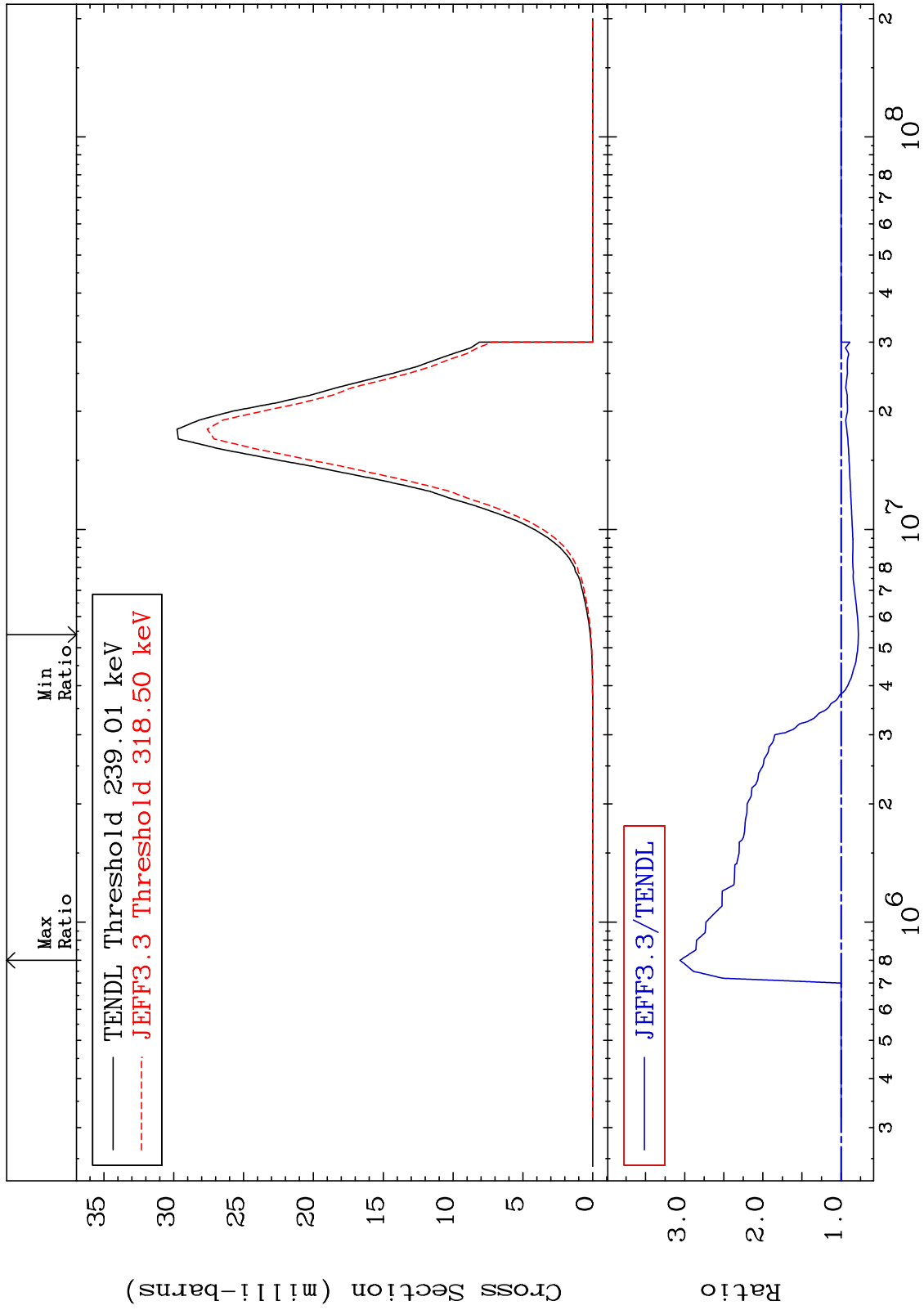
MAT 2234

(n, α)

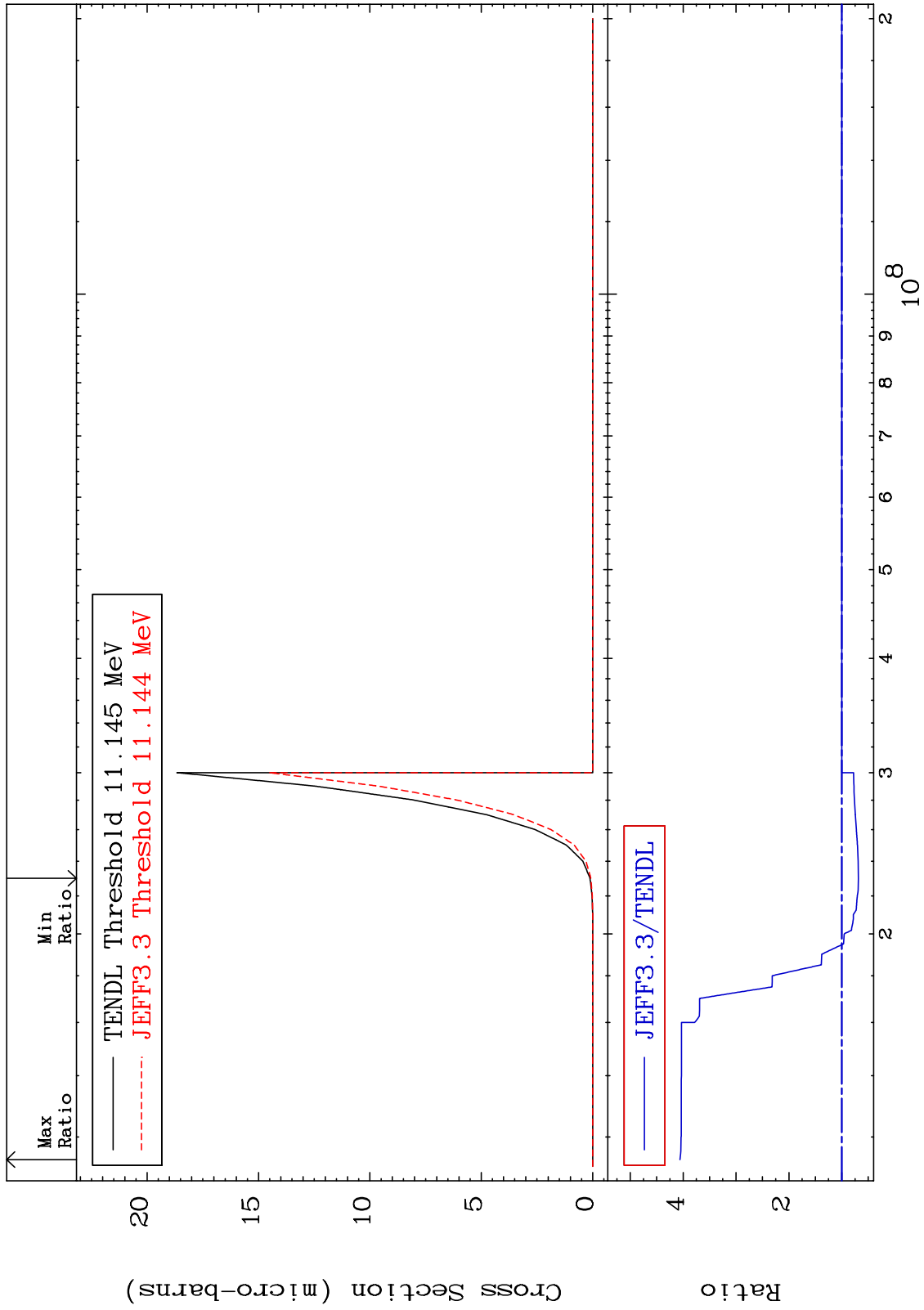
22-Ti-49

Cross Section

-22.19 To 205.9 %



MAT 2234 $(n, 2\alpha)$ Cross Section 22-Ti-49
 -31.40 To 305.9 %



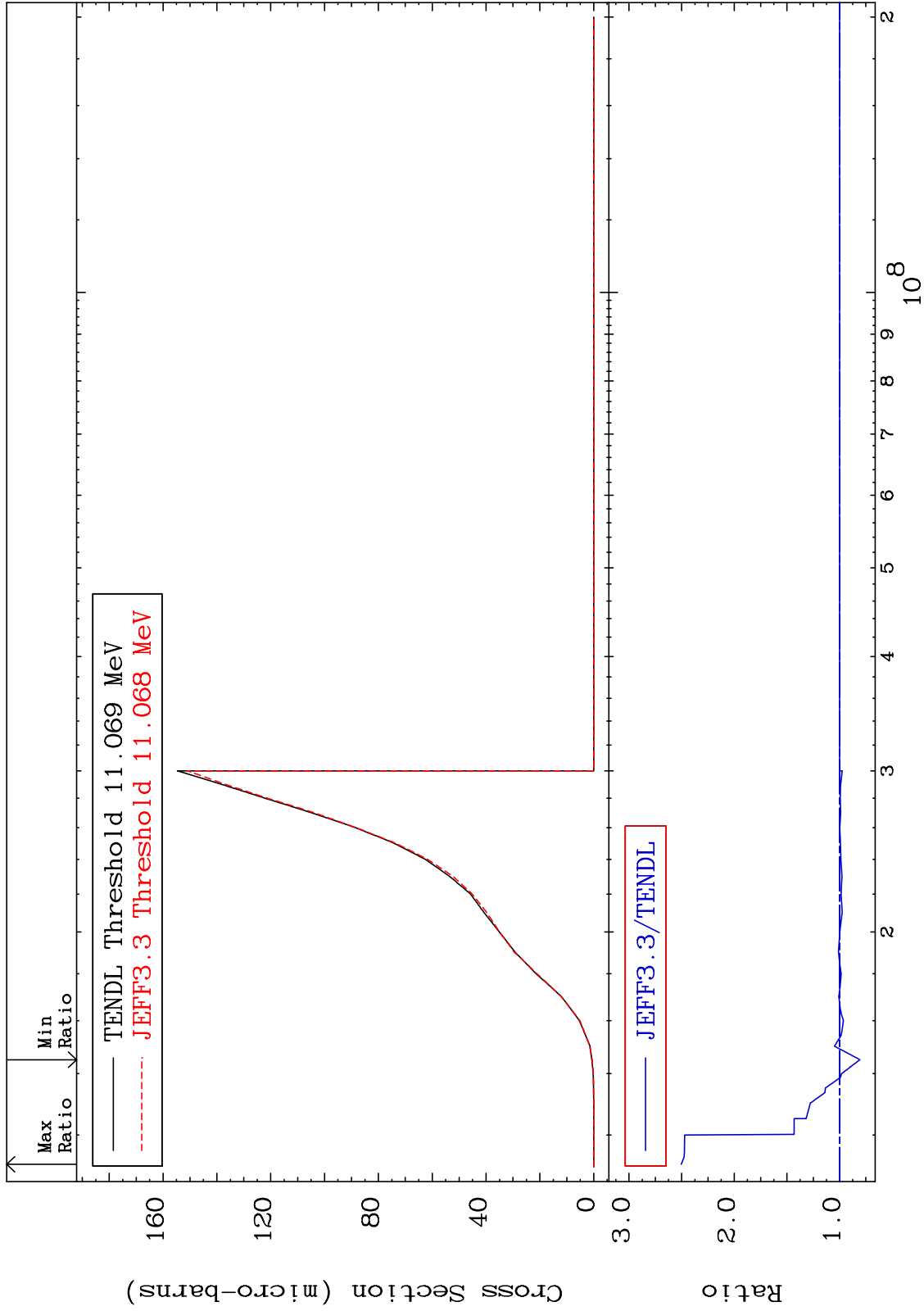
MAT 2234

(n,2p)

22-Ti-49

Cross Section

-19.36 To 150.4 %



55

Incident Energy (eV)

22-Ti-49

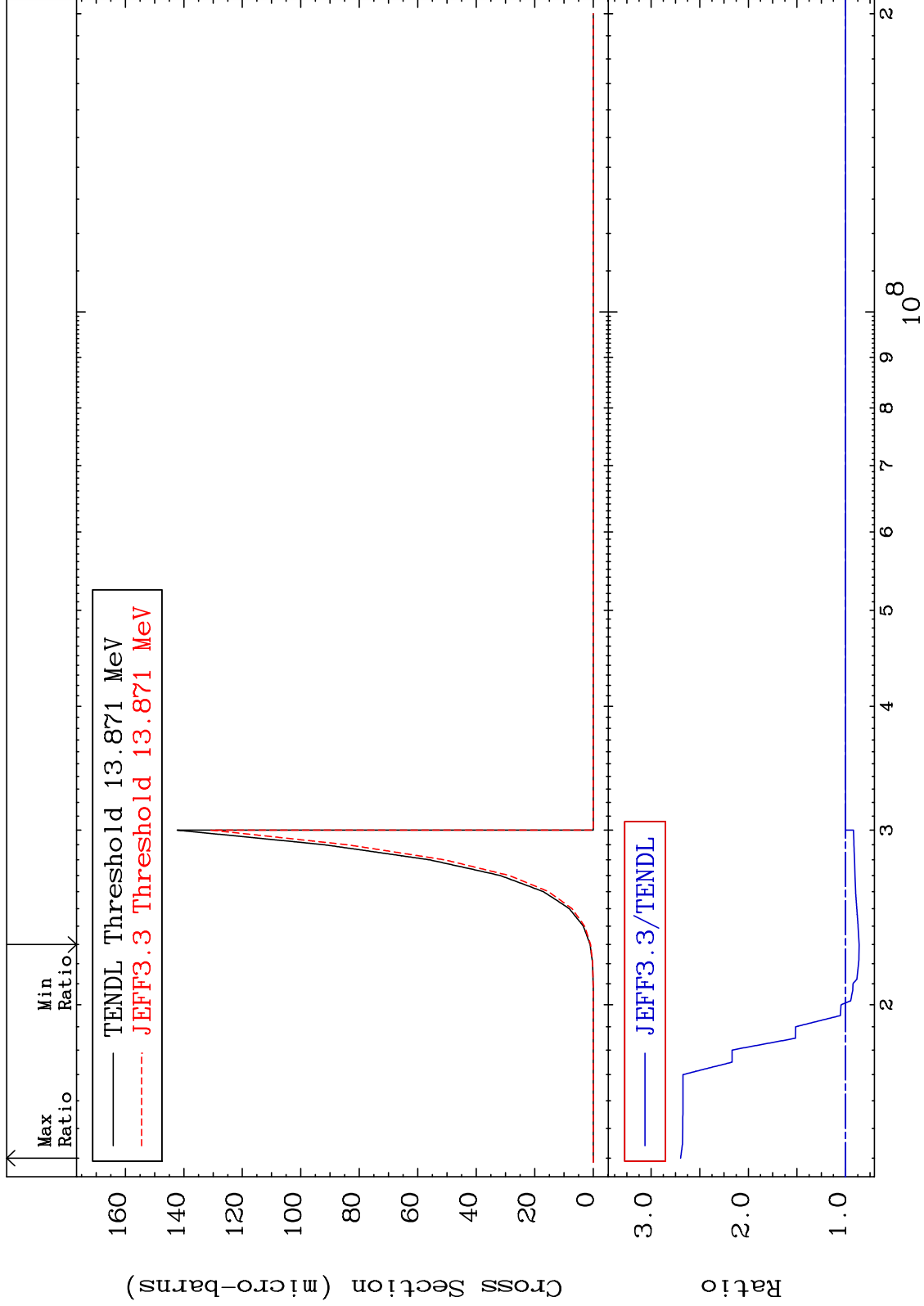
MAT 2234

(n,p) α

22-Ti-49

Cross Section

-13.93 To 169.7 %



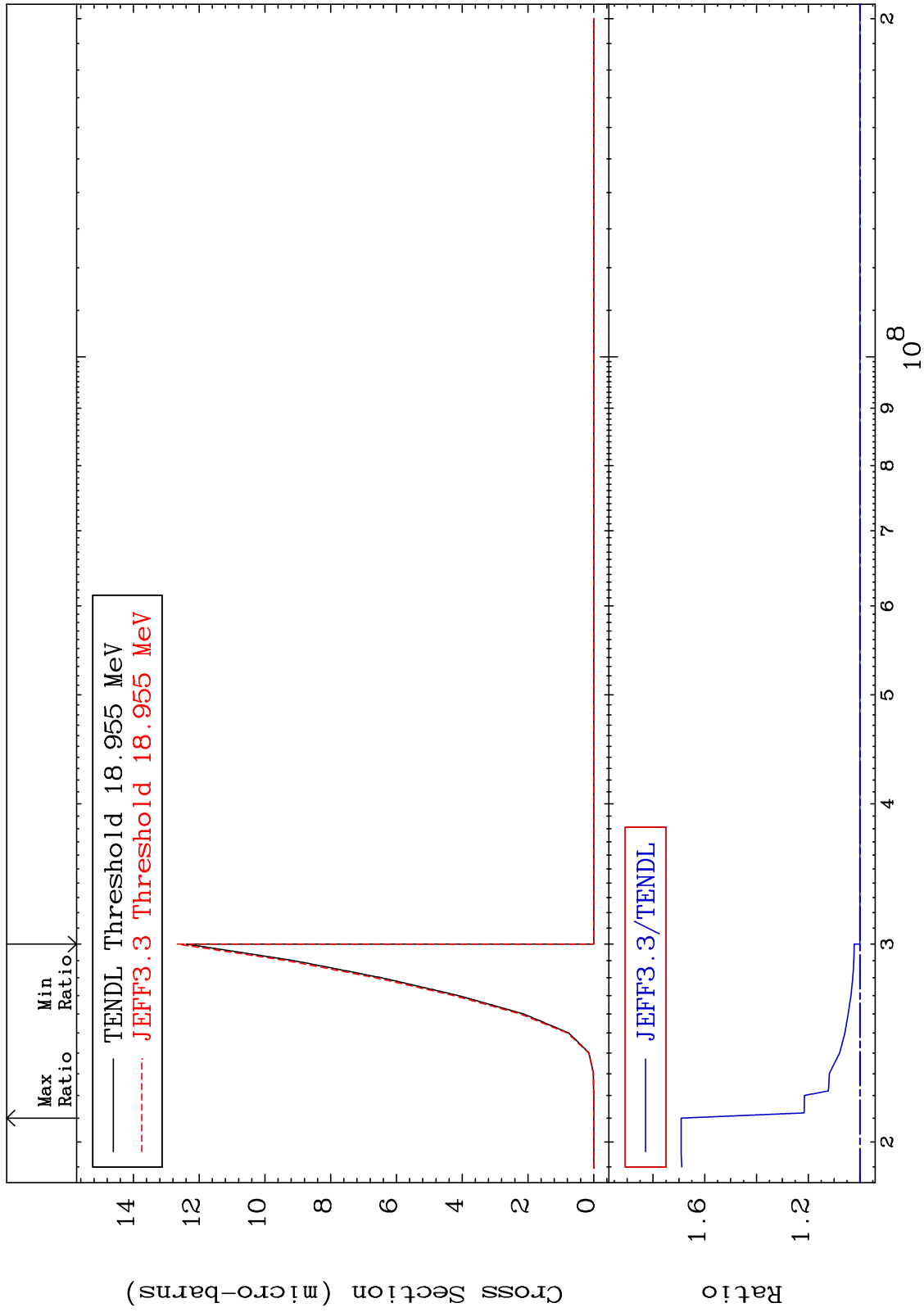
MAT 2234

(n,p) d

22-Ti-49

Cross Section

0.000 To 69.11 %



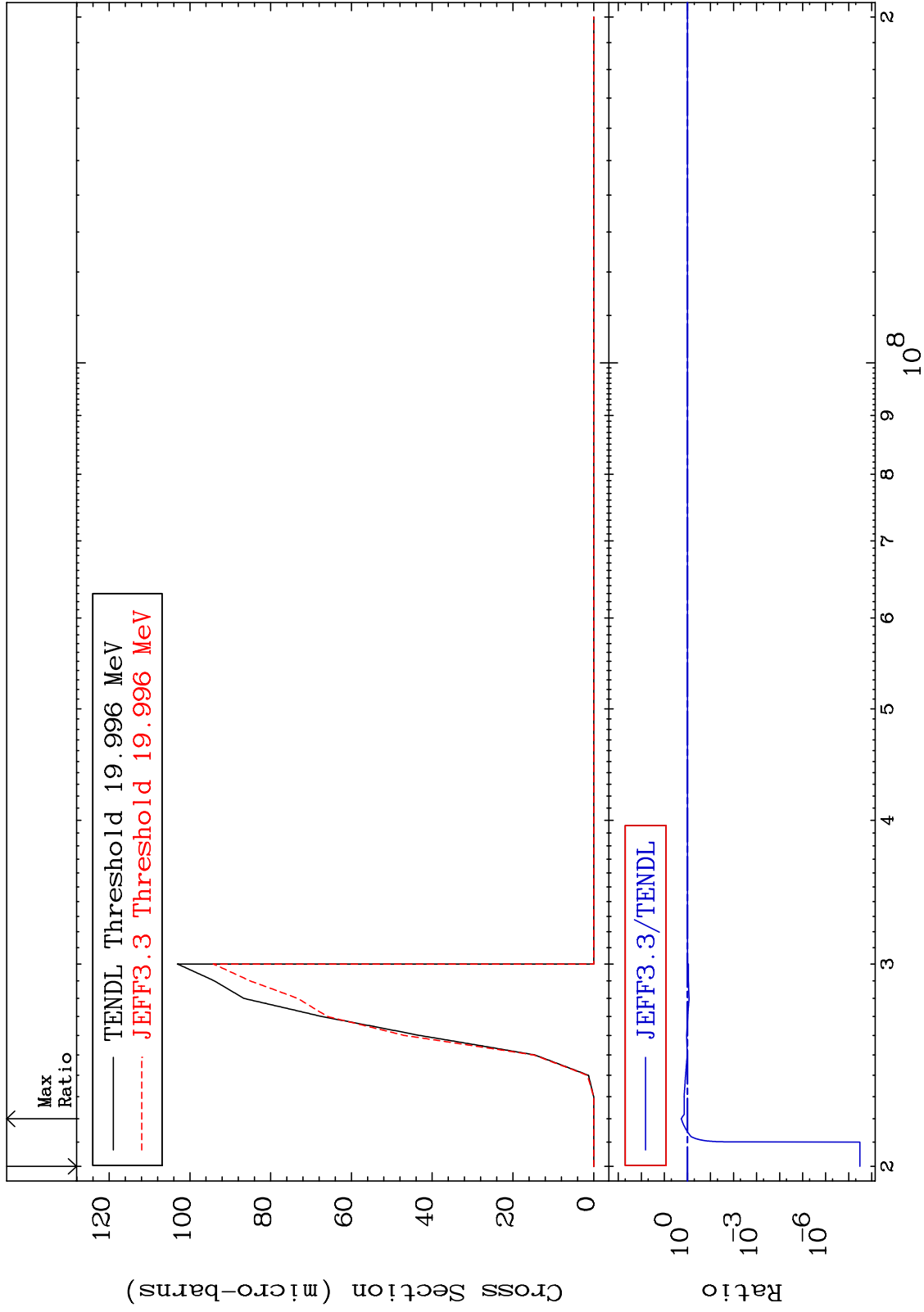
MAT 2234

(n,p) t

22-Ti-49

Cross Section

-100.0 To 85.63 %



58

Incident Energy (eV)

22-Ti-49

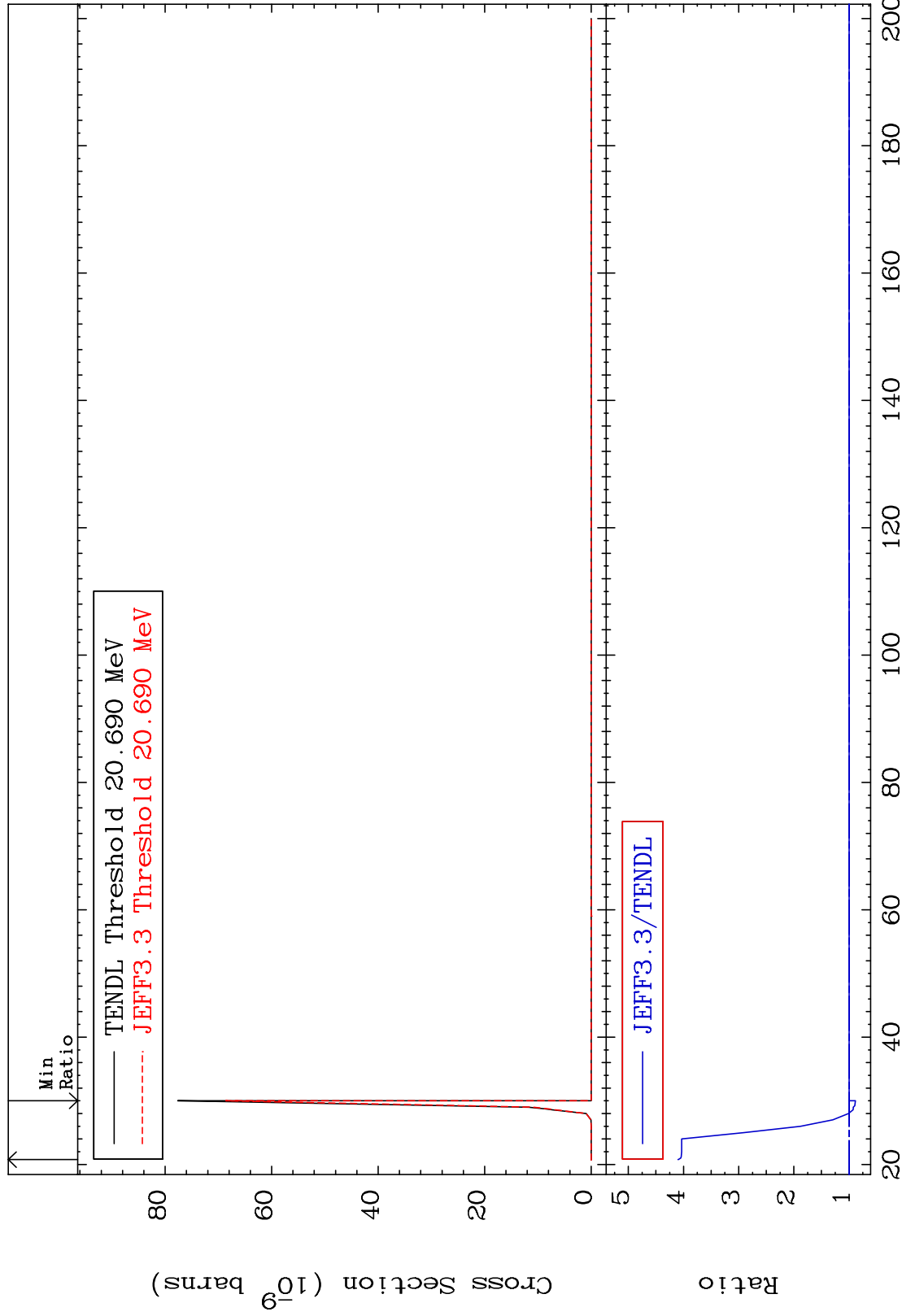
MAT 2234

(n,d) α

22-Ti-49

Cross Section

-11.65 To 310.0 %



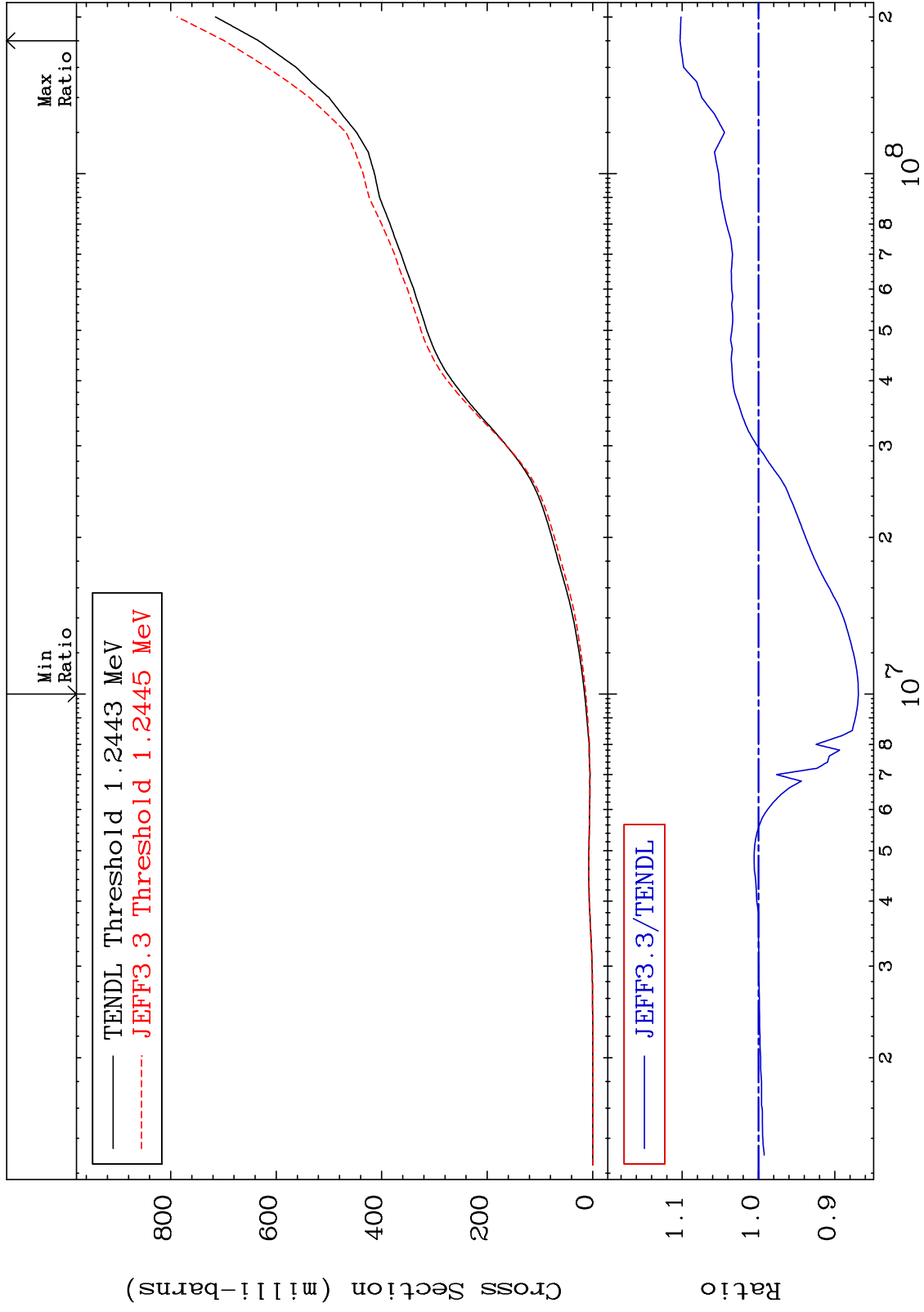
59

22-Ti-49

MAT 2234

Hydrogen Production
Cross Section

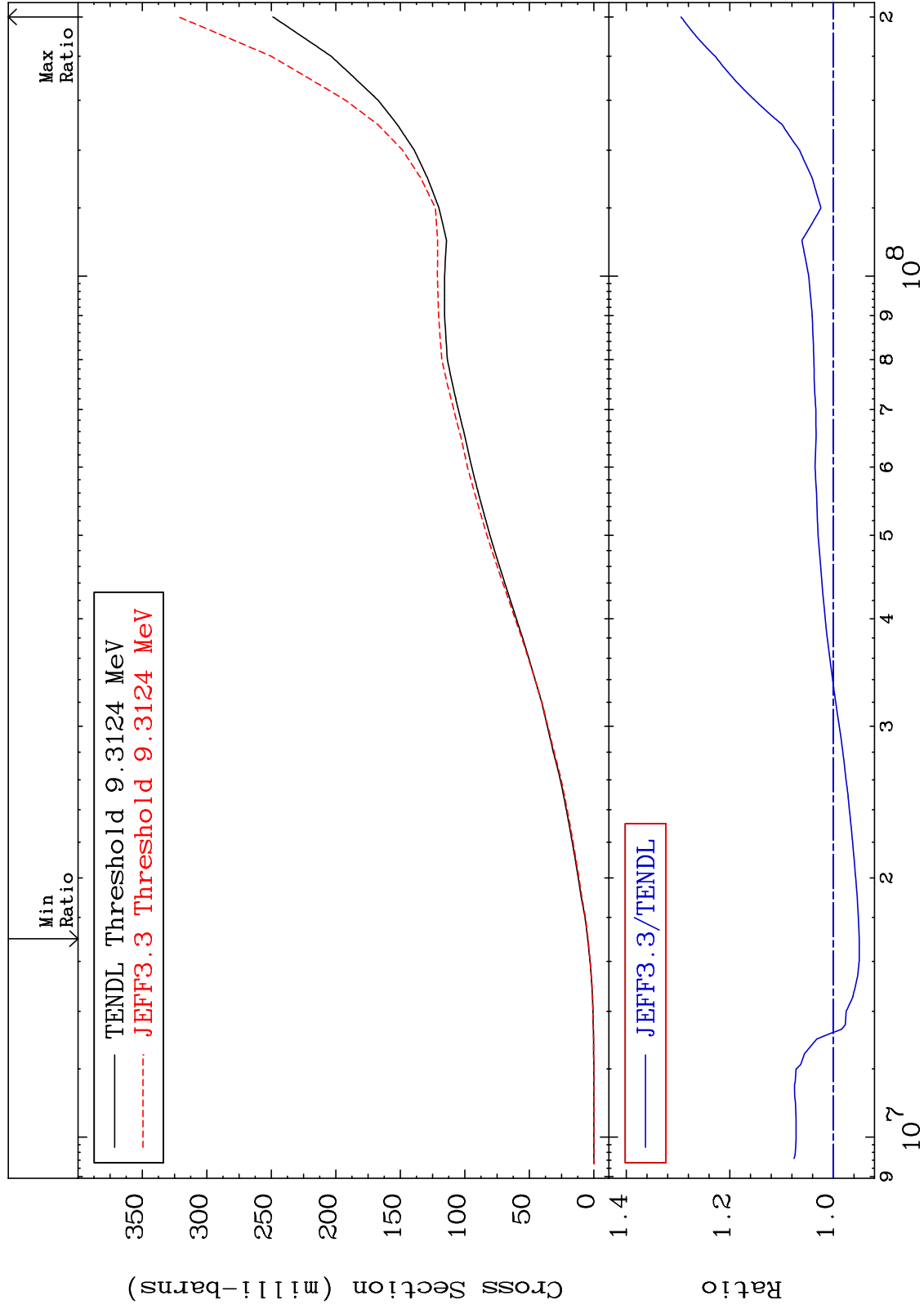
22-Ti-49
-13.09 To 10.28 %



MAT 2234

Deuterium Production
Cross Section

22-Ti-49
-5.036 To 29.40 %



61

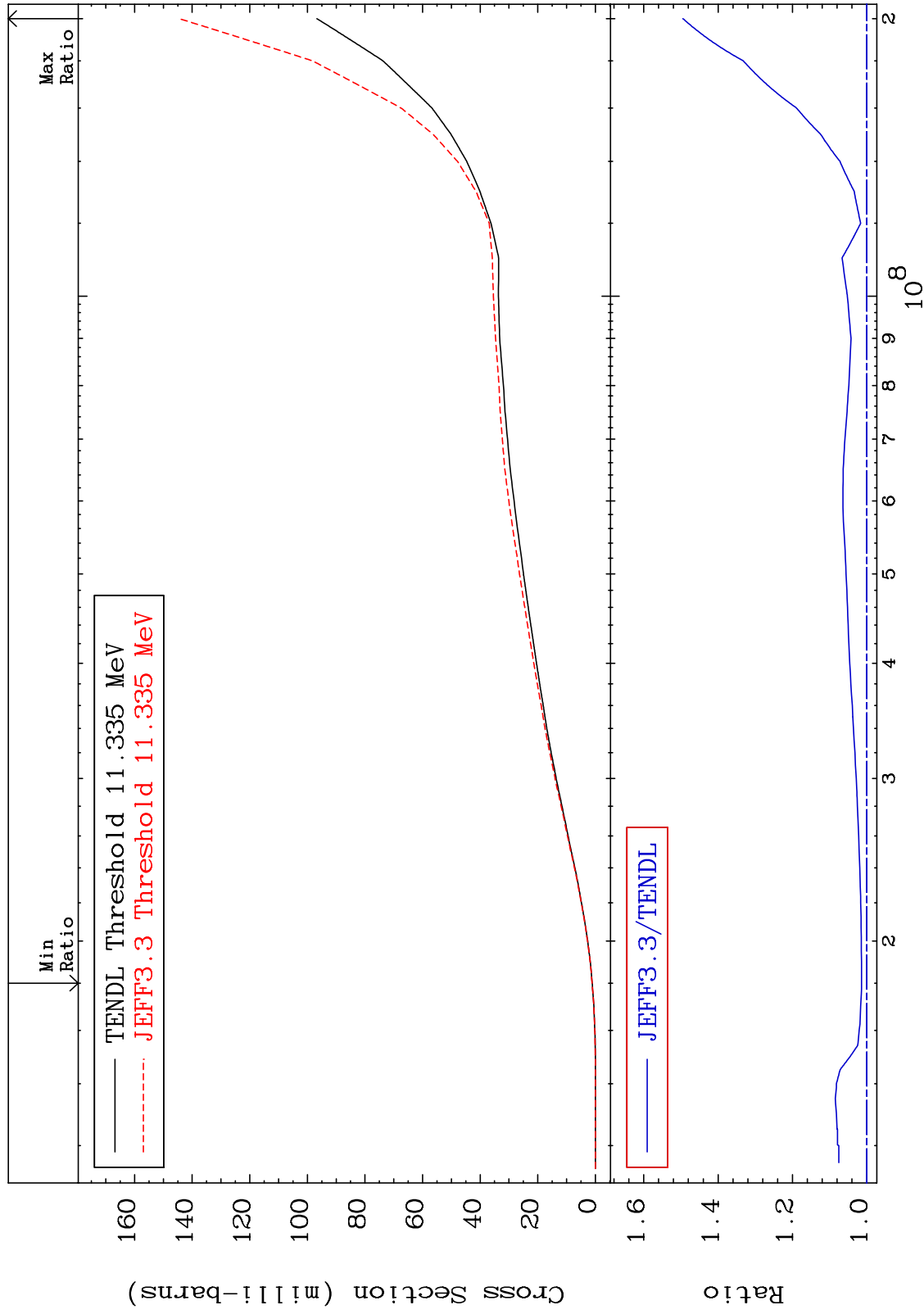
Incident Energy (eV)

22-Ti-49

MAT 2234

Tritium Production
Cross Section

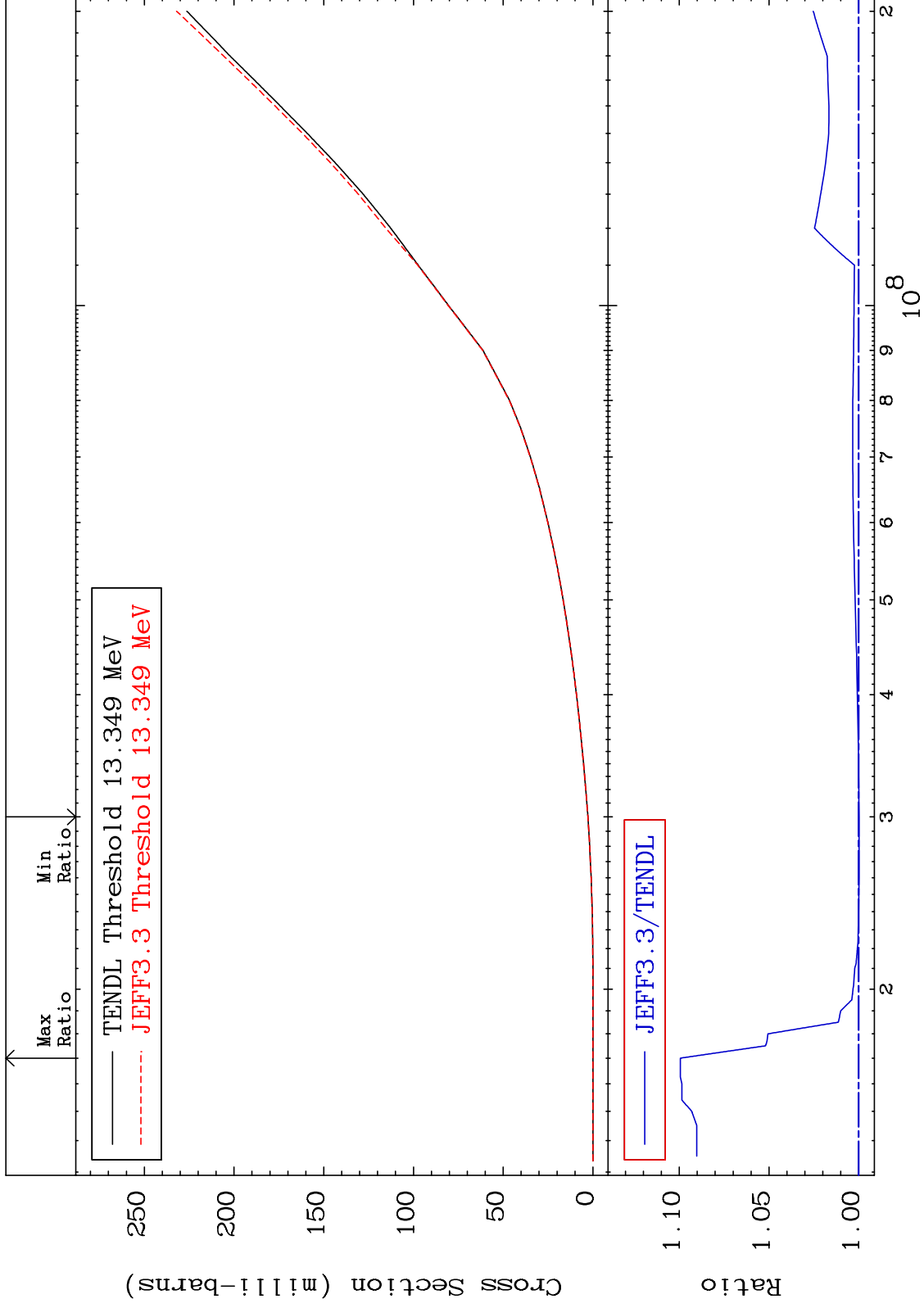
22-Ti-49
1.407 To 49.48 %



MAT 2234

He-3 Production
Cross Section

22-Ti-49
-0.025 To 9.939 %



63

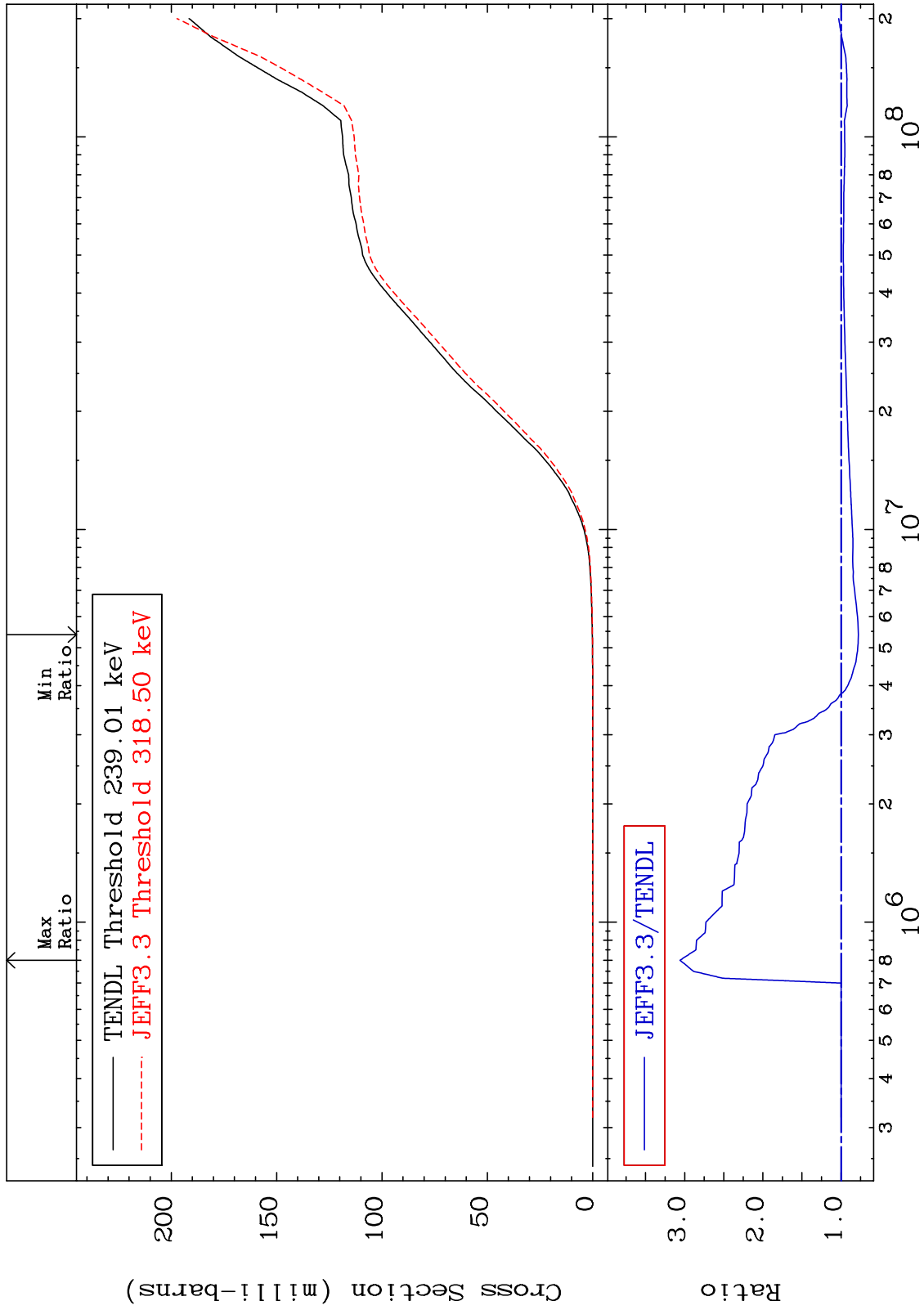
Incident Energy (eV)

22-Ti-49

MAT 2234

He-4 Production
Cross Section

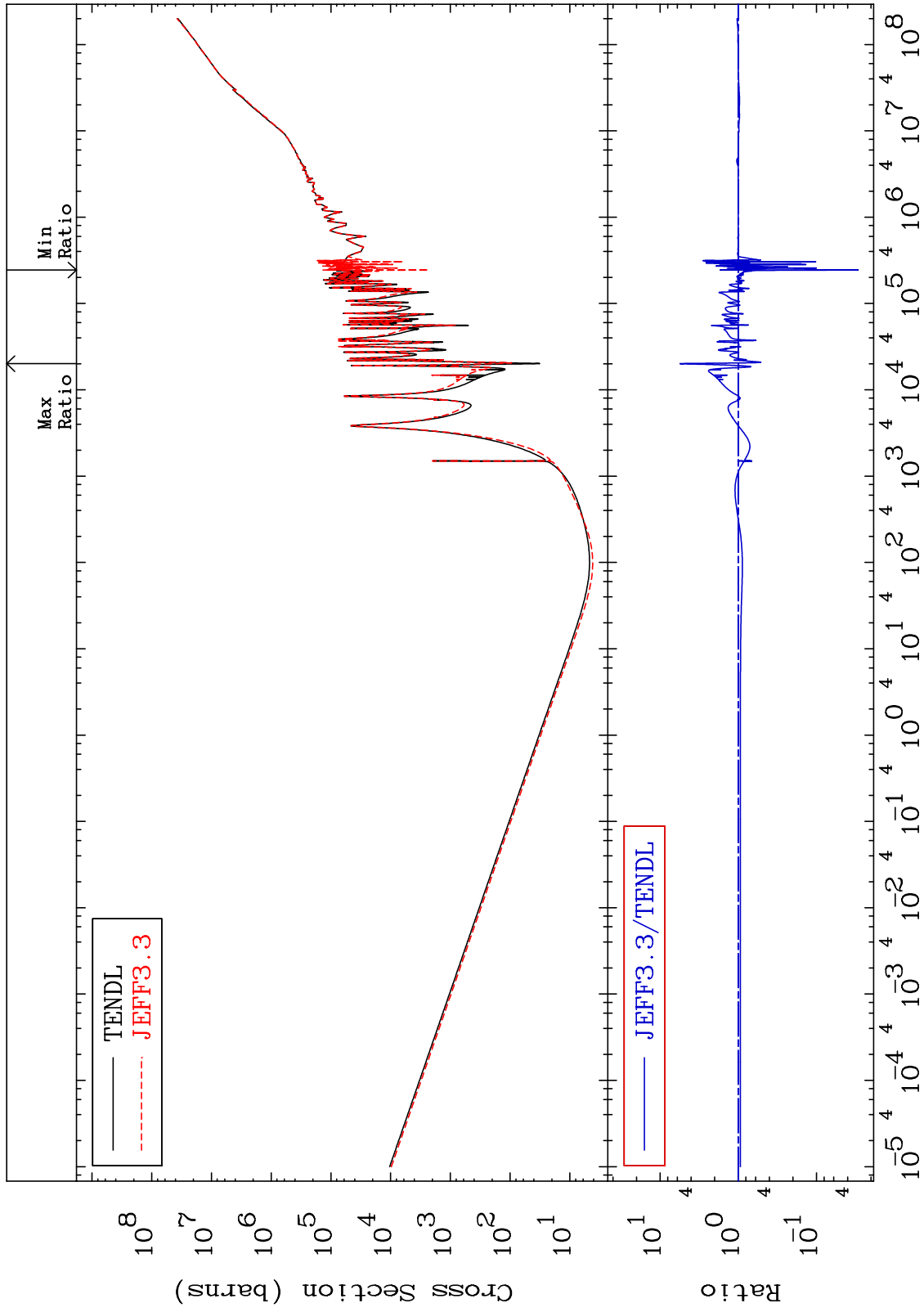
22-Ti-49
-22.19 To 205.9 %



MAT 2234

Kerma total (eV-barns)
Cross Section

22-Ti-49
-97.09 To 455.6 %



65

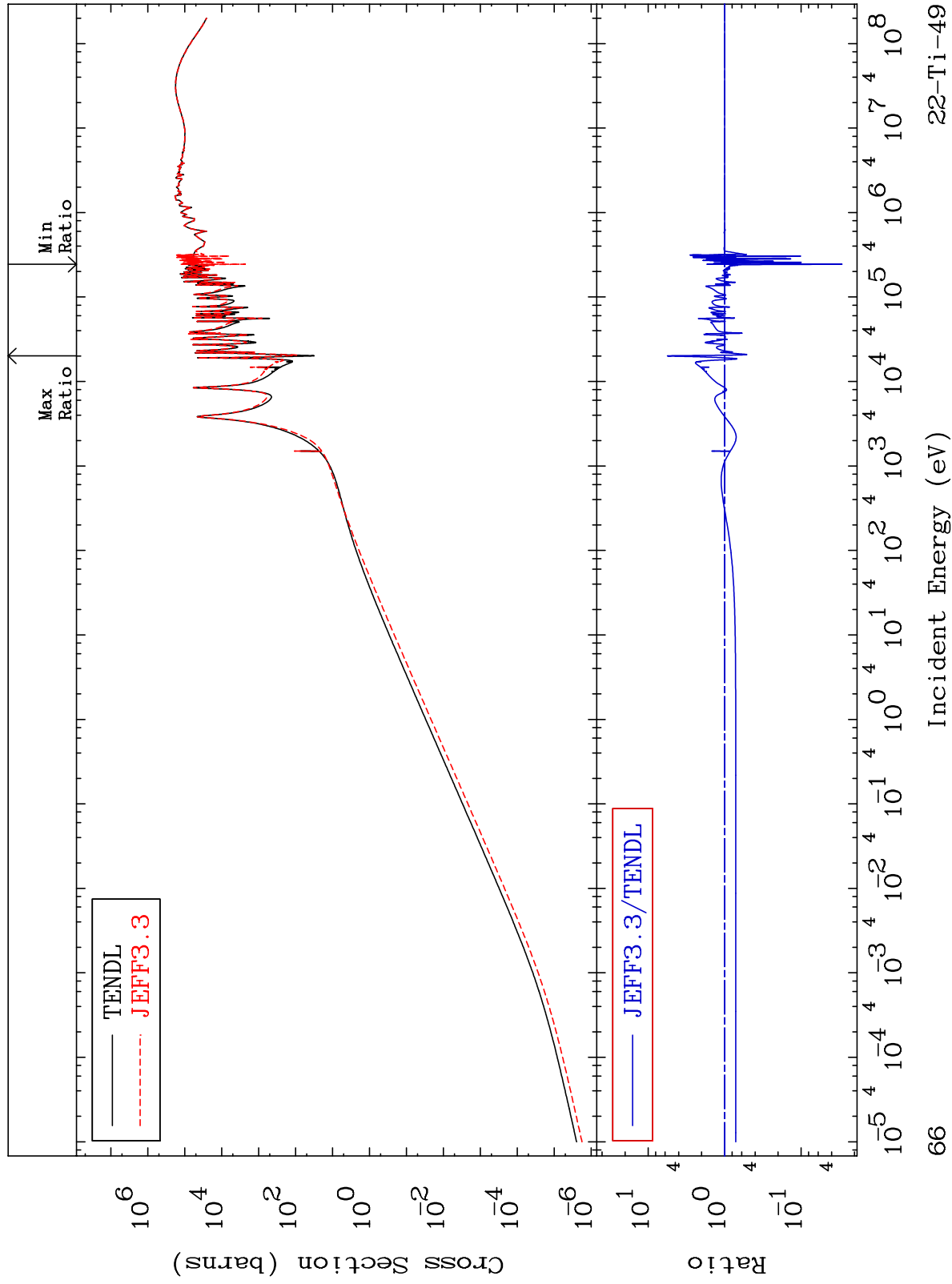
Incident Energy (eV)

22-Ti-49

MAT 2234

Kerma elastic
Cross Section

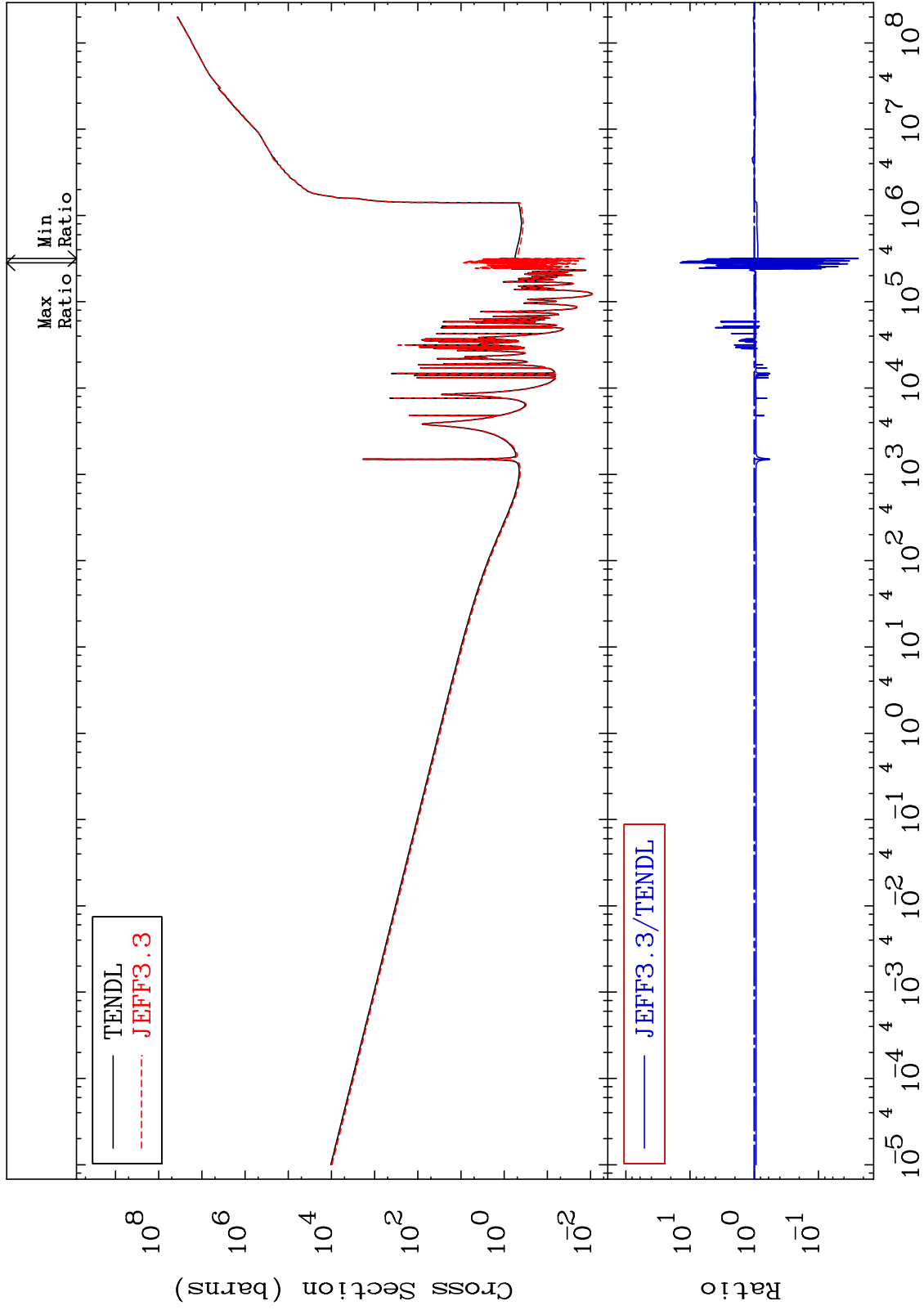
22-Ti-49
-97.09 To 459.6 %



MAT 2234

Kerma non-elastic (all but mt2)
Cross Section

22-Ti-49
-97.61 To 1333. %



67

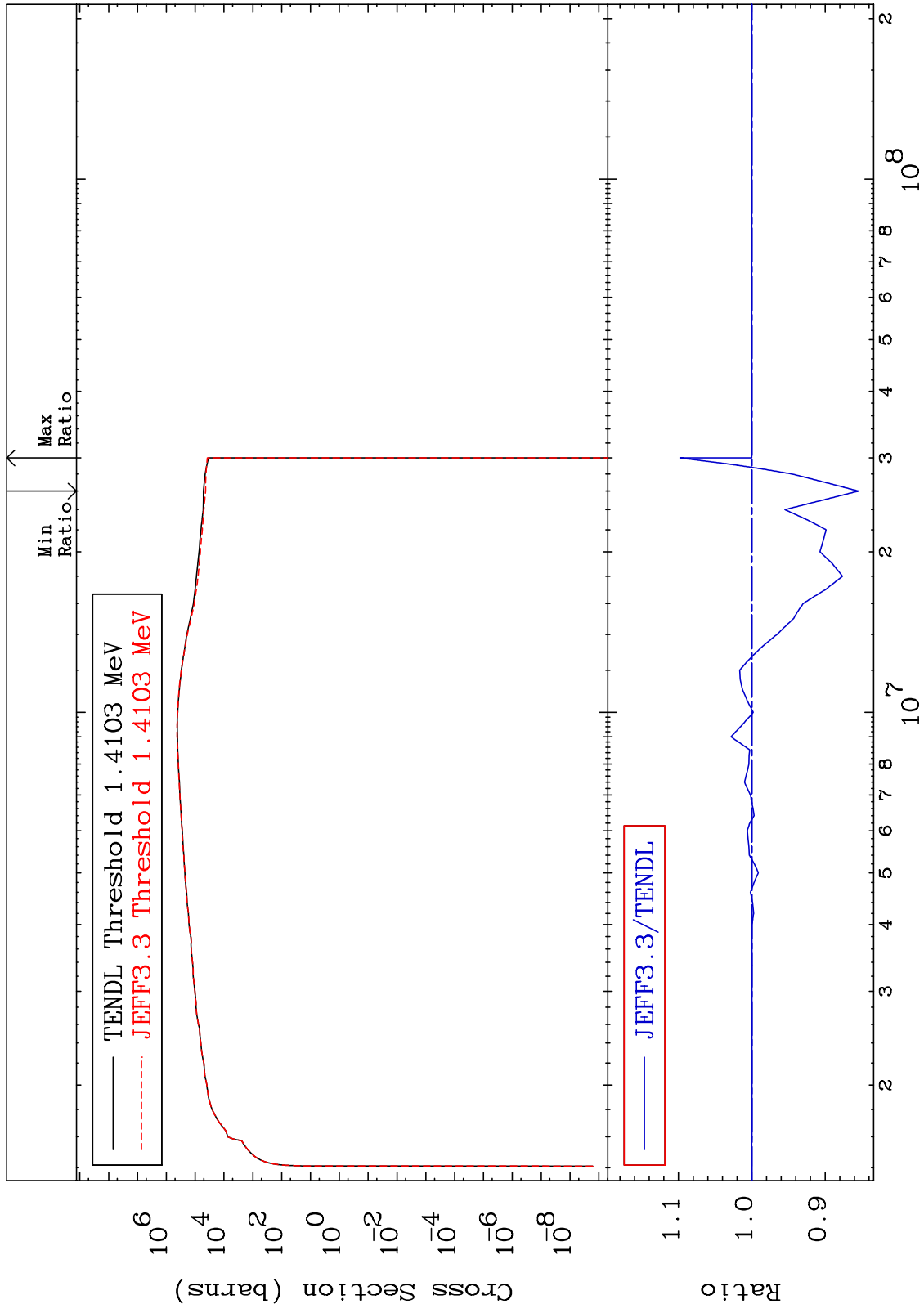
Incident Energy (eV)

22-Ti-49

MAT 2234

Kerma inelastic (mt51-91)
Cross Section

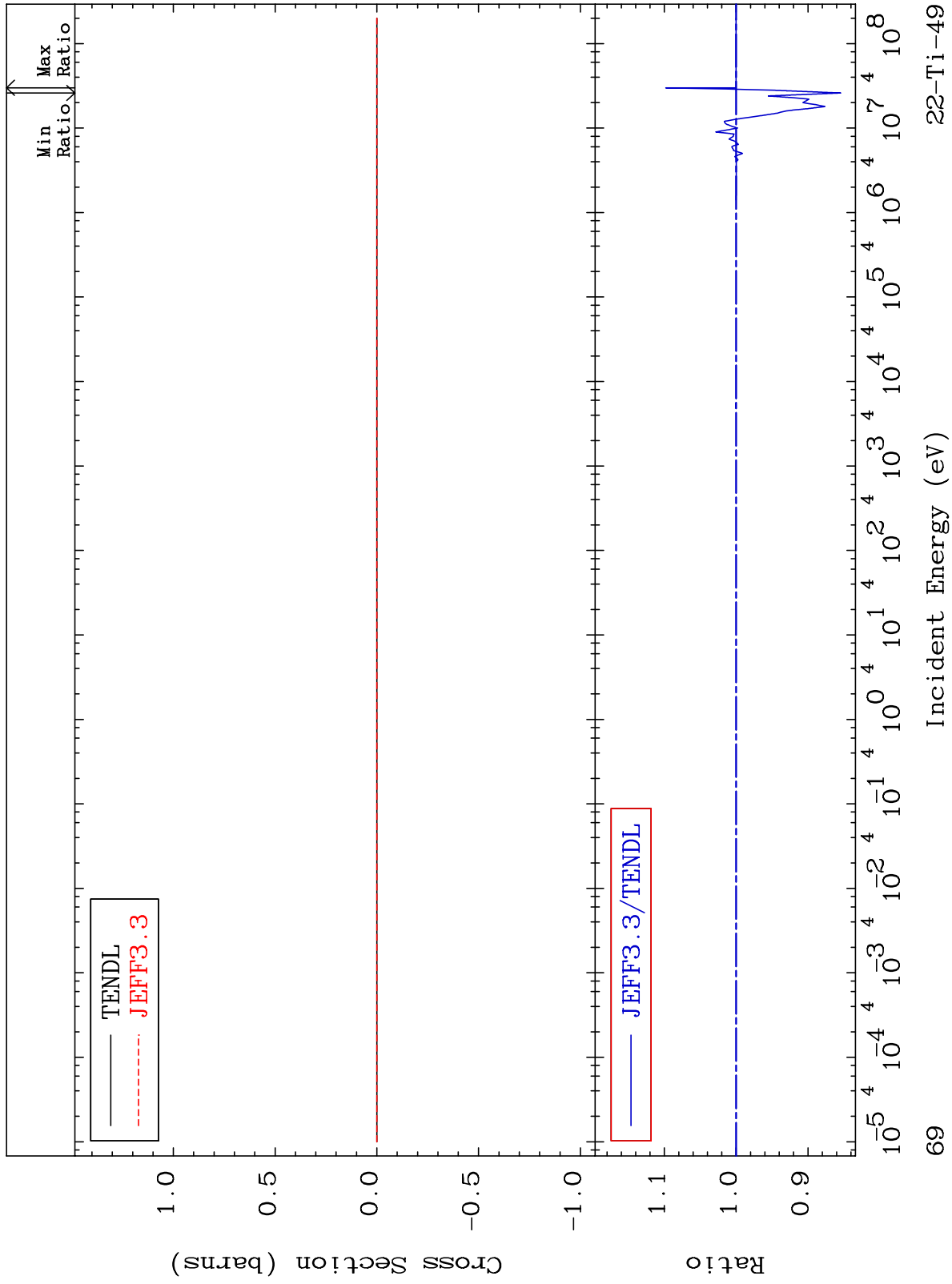
22-Ti-49
-14.54 To 9.796 %



MAT 2234

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

22-Ti-49
-14.54 To 9.796 %



69

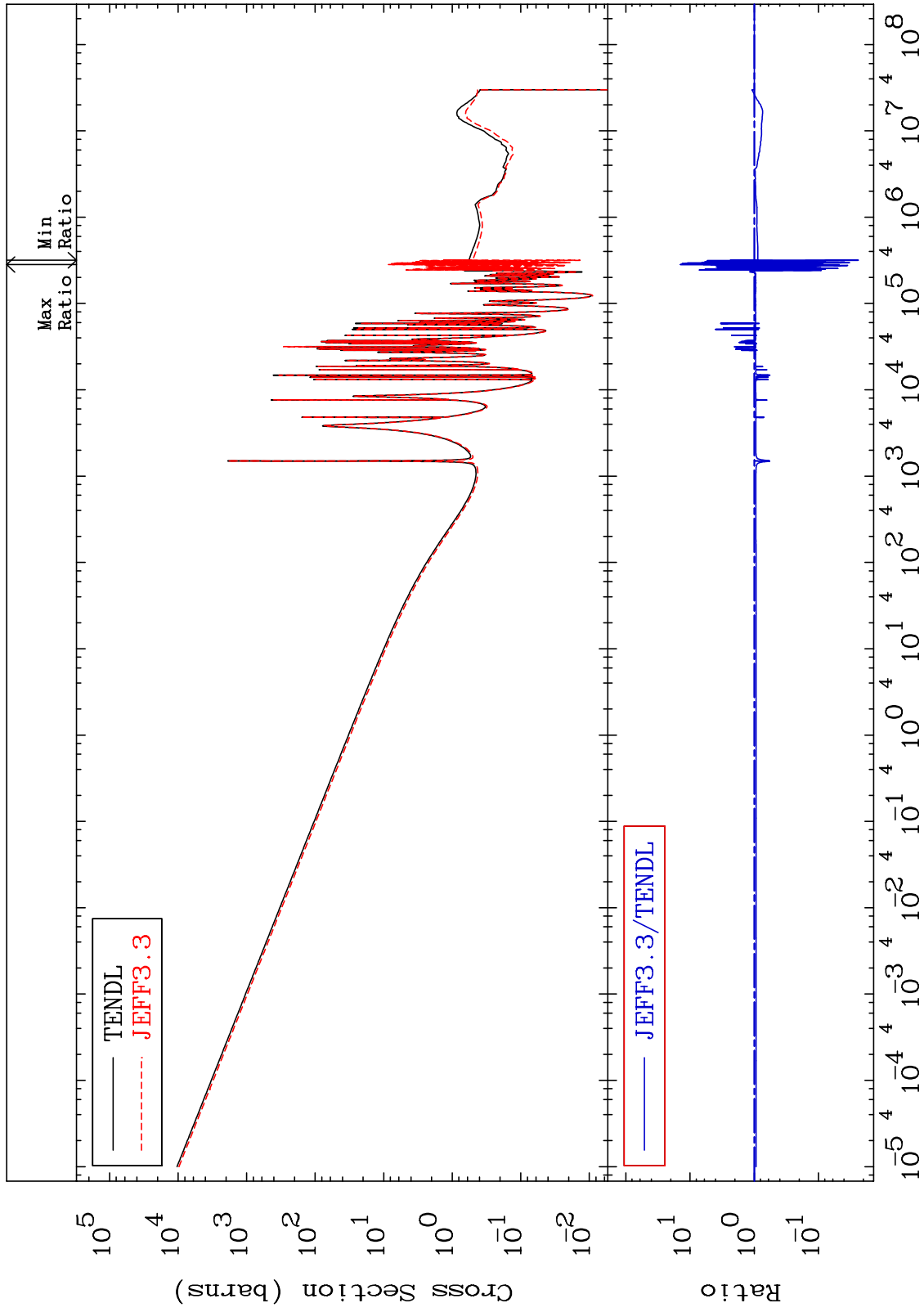
Incident Energy (eV)

22-Ti-49

MAT 2234

Kerma capture (mt102)
Cross Section

22-Ti-49
-97.61 To 1333. %



70

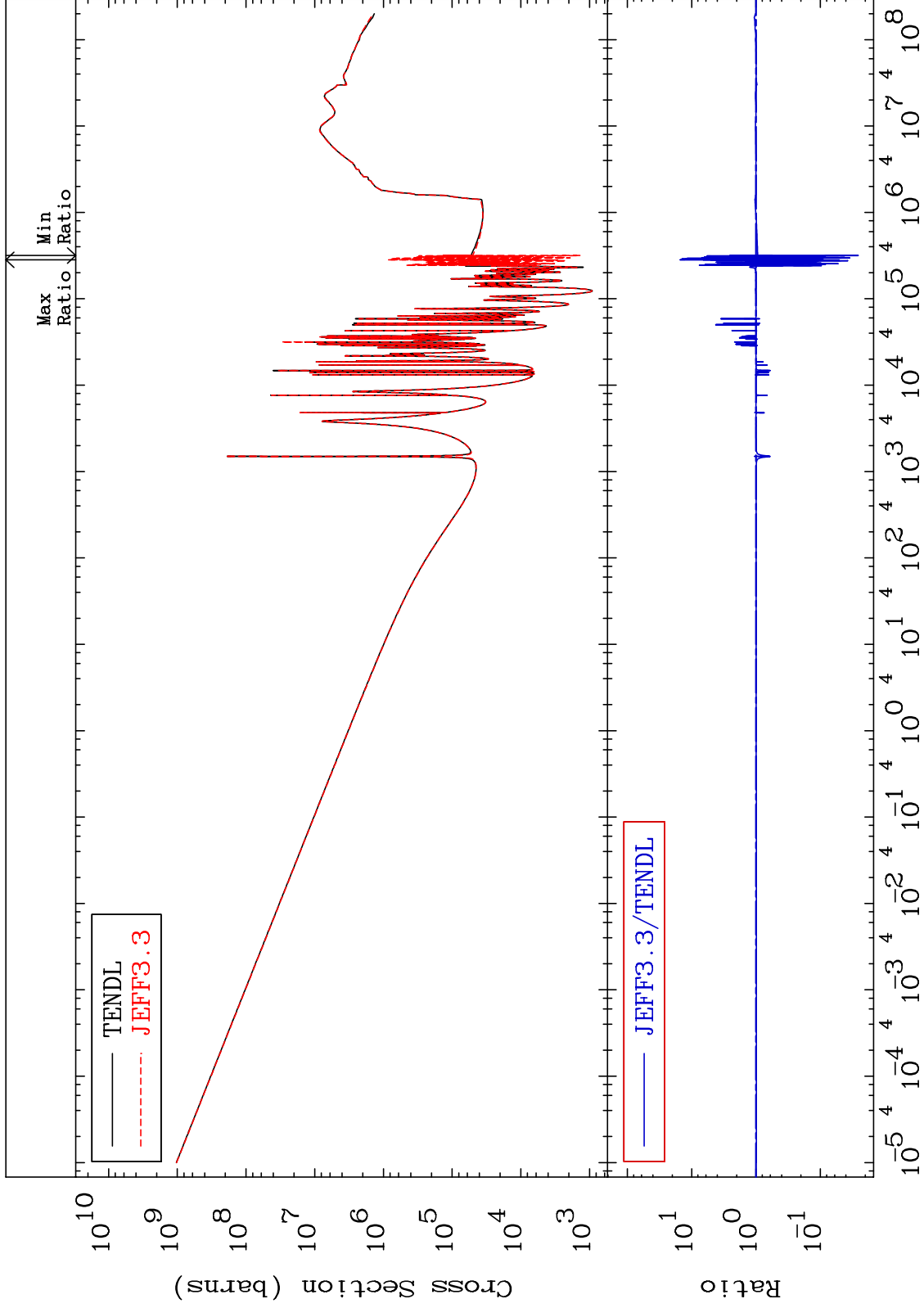
Incident Energy (eV)

22-Ti-49

MAT 2234

Total photon (eV-barns)
Cross Section

22-Ti-49
-97.43 To 1430. %



71

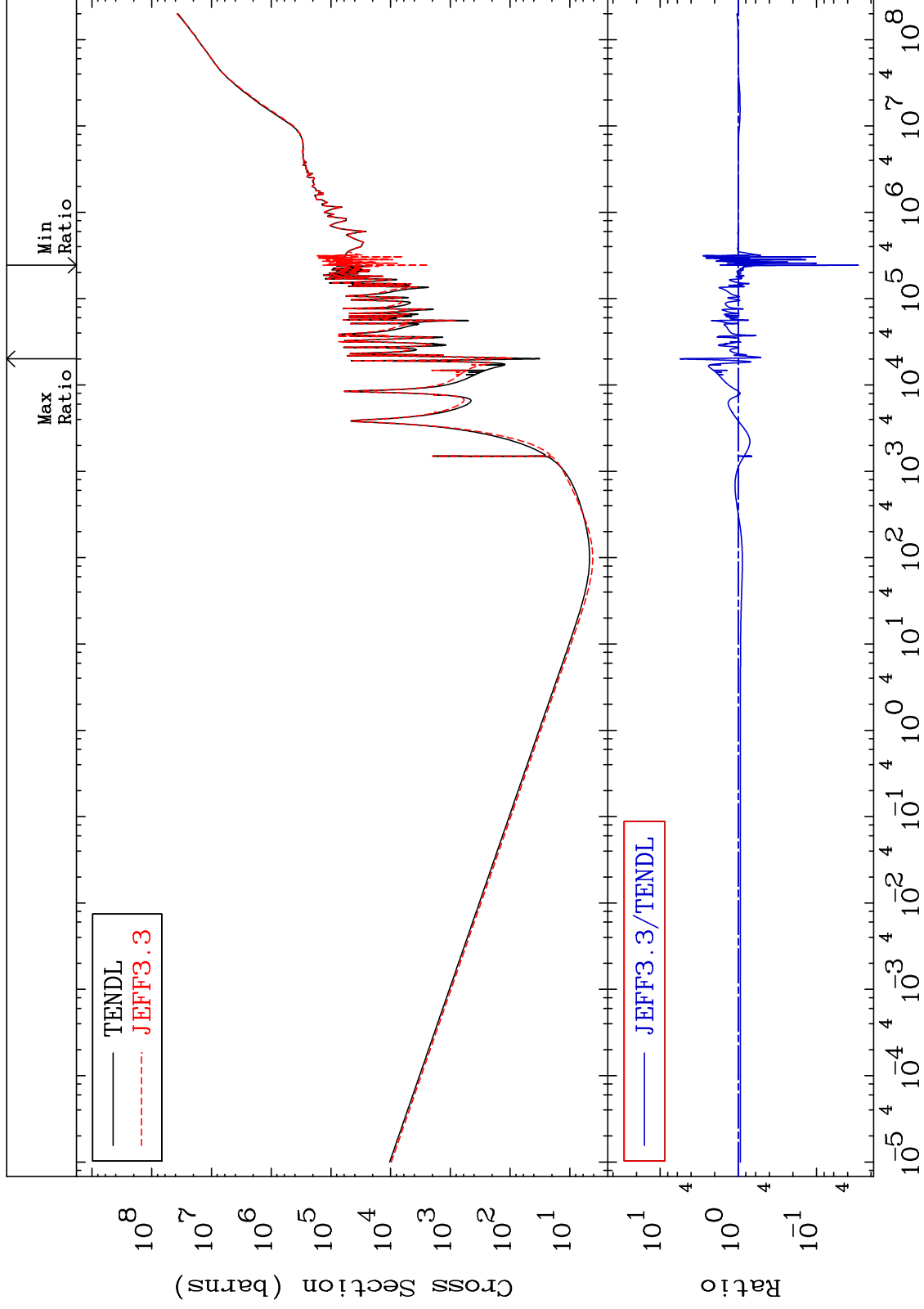
Incident Energy (eV)

22-Ti-49

MAT 2234

Total kinematic kerma (high limit)
Cross Section

22-Ti-49
-97.09 To 455.6 %



72

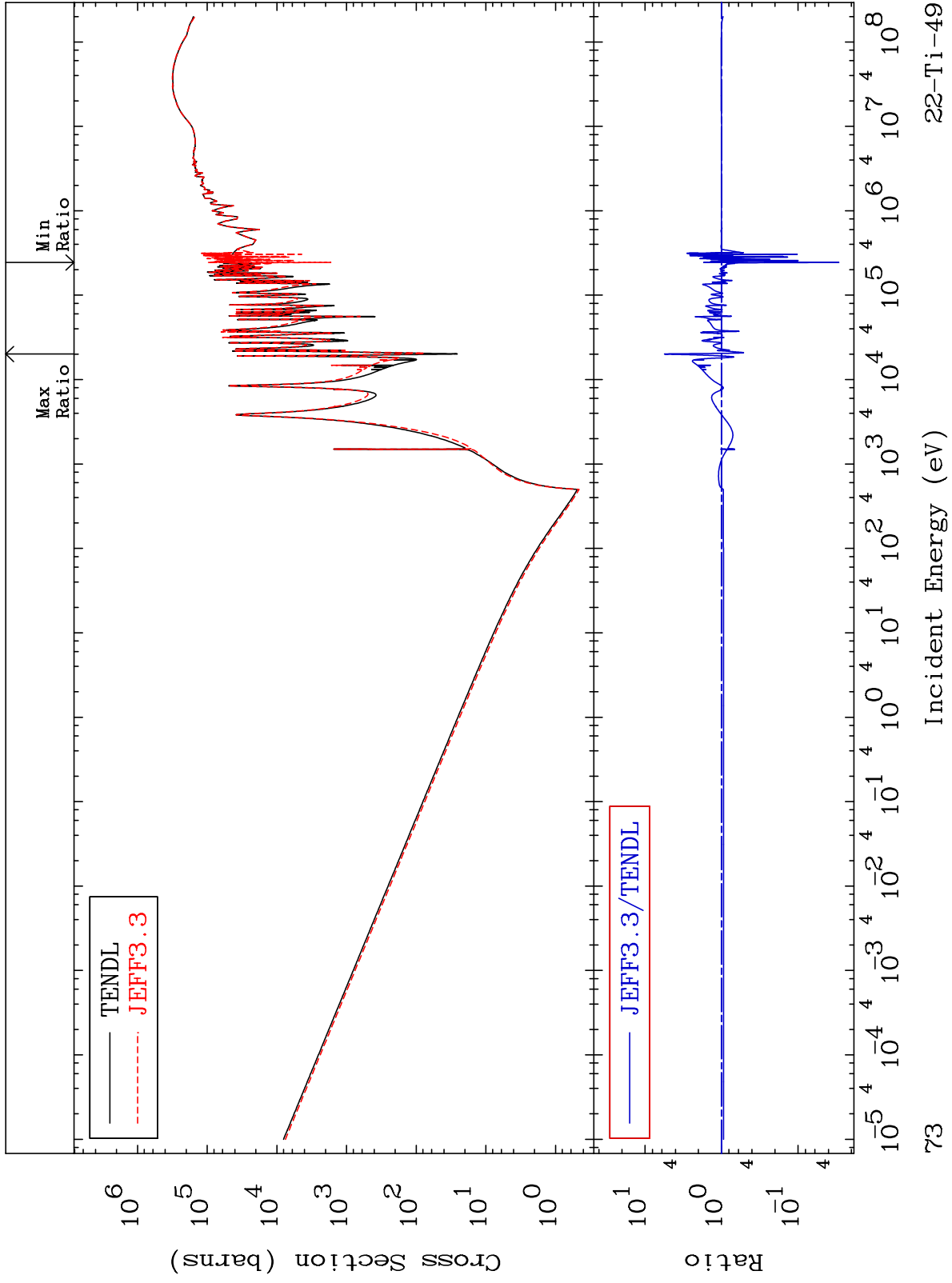
Incident Energy (eV)

22-Ti-49

MAT 2234

Dpa total (eV-barns)
Cross Section

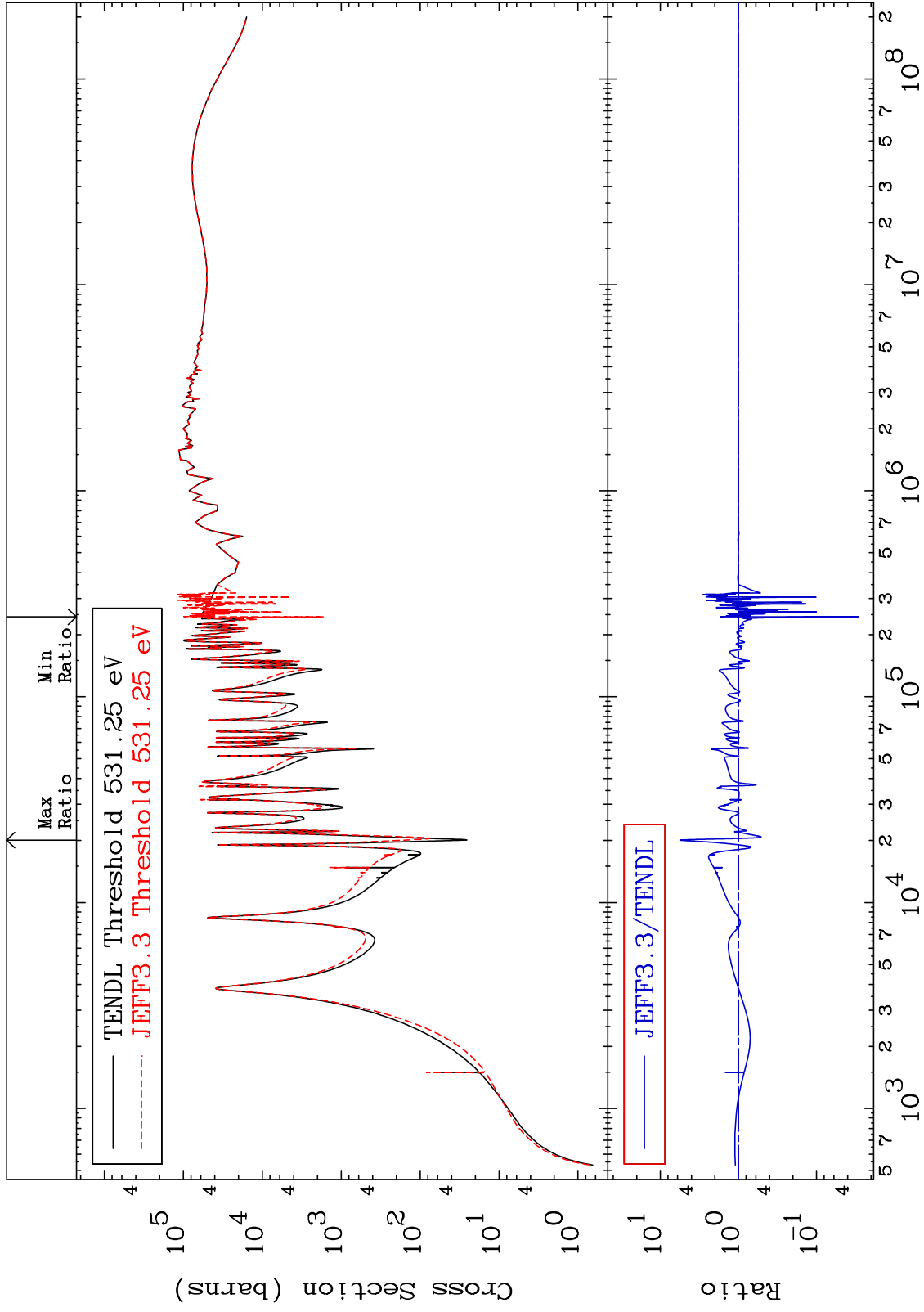
22-Ti-49
-97.09 To 455.8 %



MAT 2234

Dpa elastic (mt2)
Cross Section

22-Ti-49
-97.09 To 459.6 %



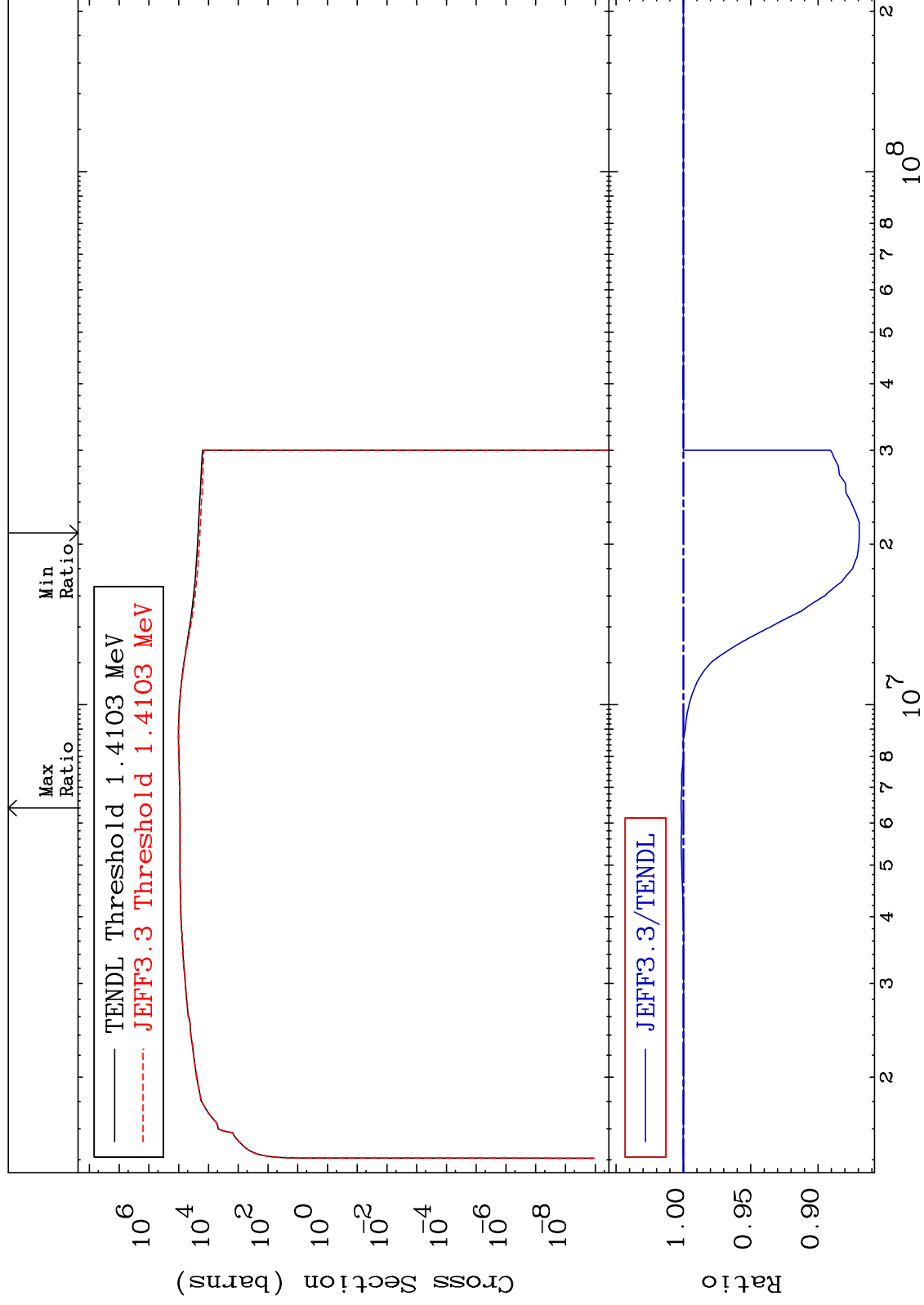
MAT 2234

Dpa inelastic (mt51-91)

22-Ti-49

-13.07 To 0.175 %

Cross Section



75

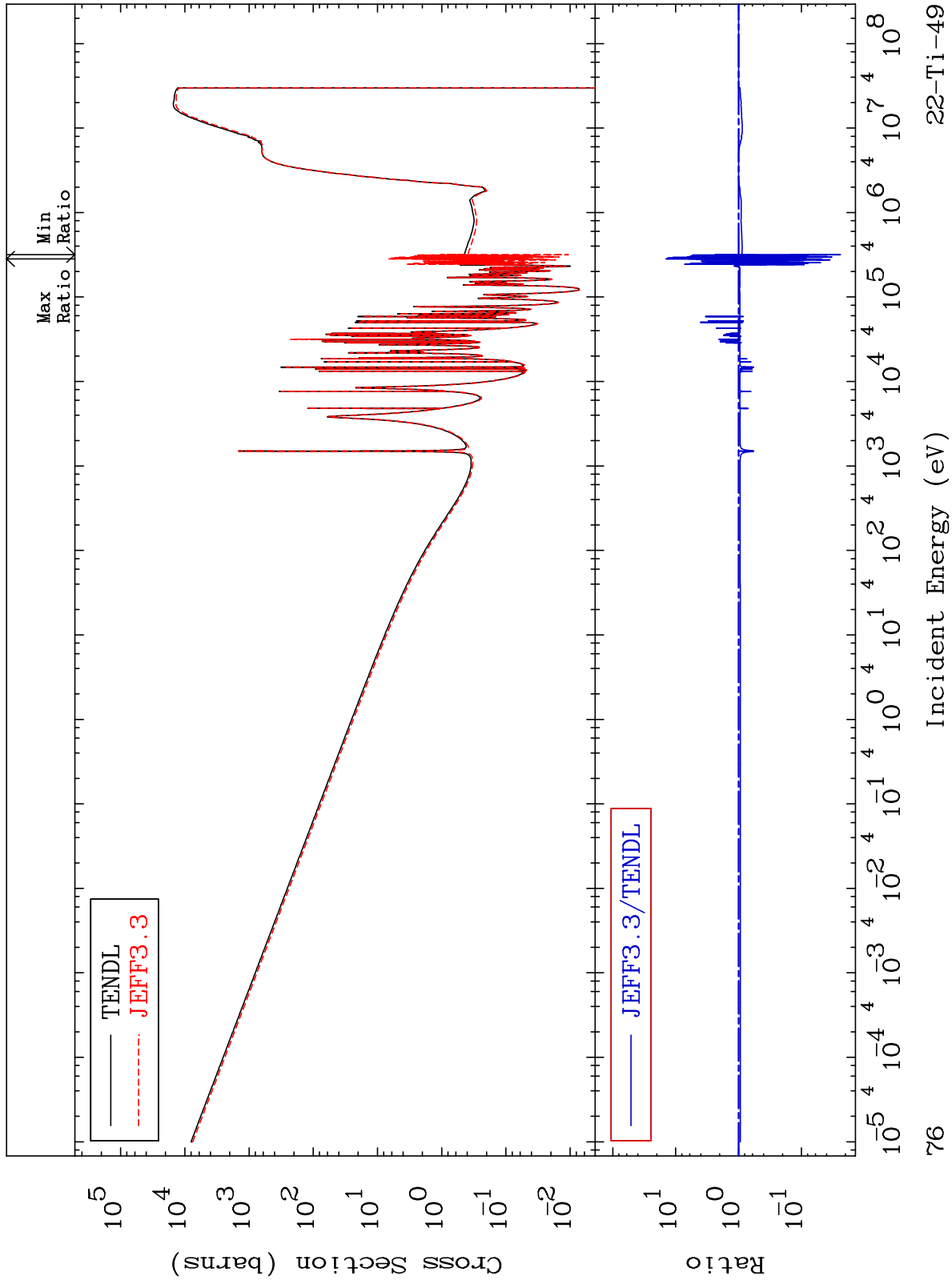
Incident Energy (eV)

22-Ti-49

MAT 2234

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-49
-97.61 To 1334. %

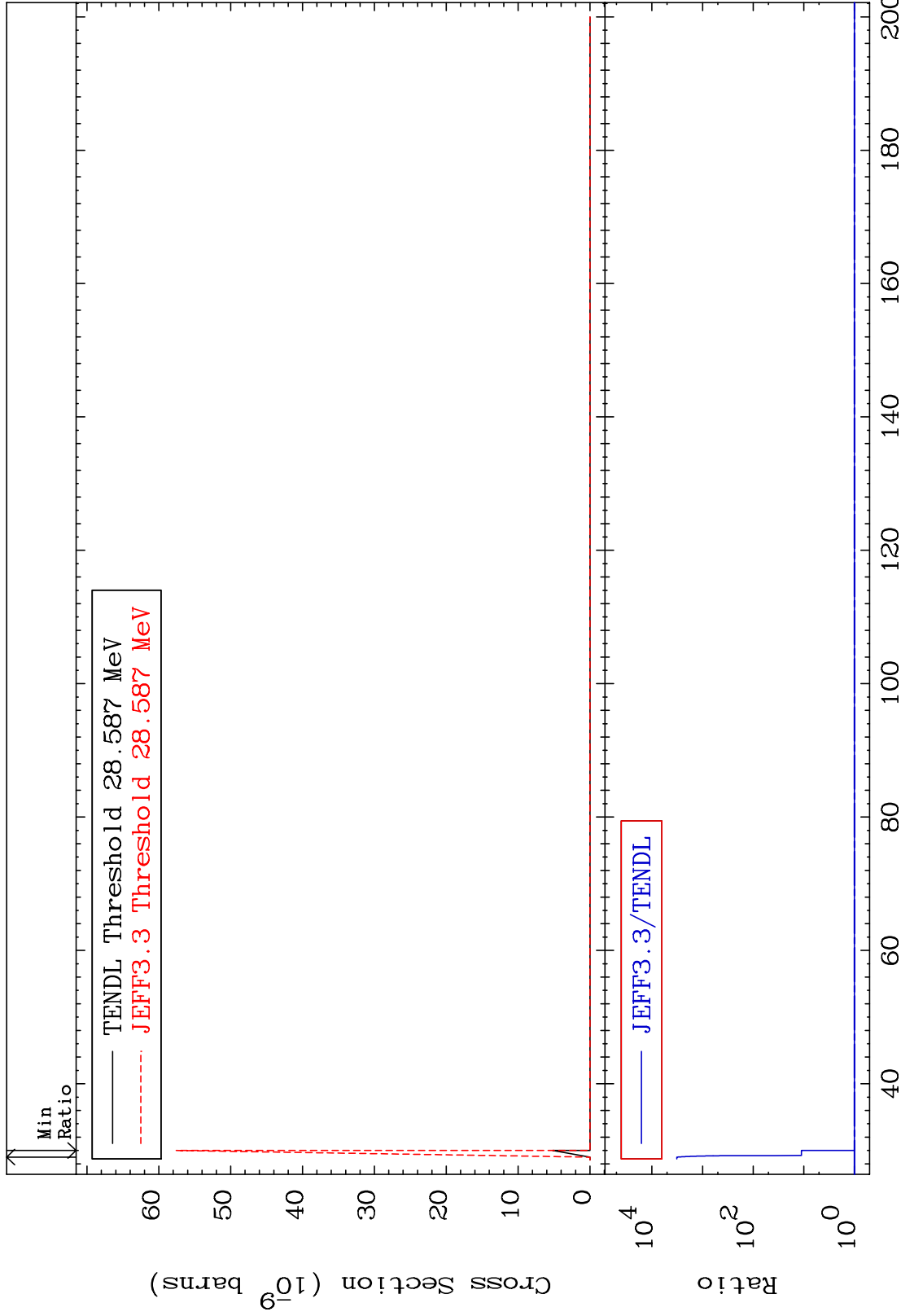


MAT 2234

(n,2n) d:21-Sc-46g

22-Ti-49

Radionuclide Production Cross Section 0.000 To 9999. %



77

Incident Energy (MeV)

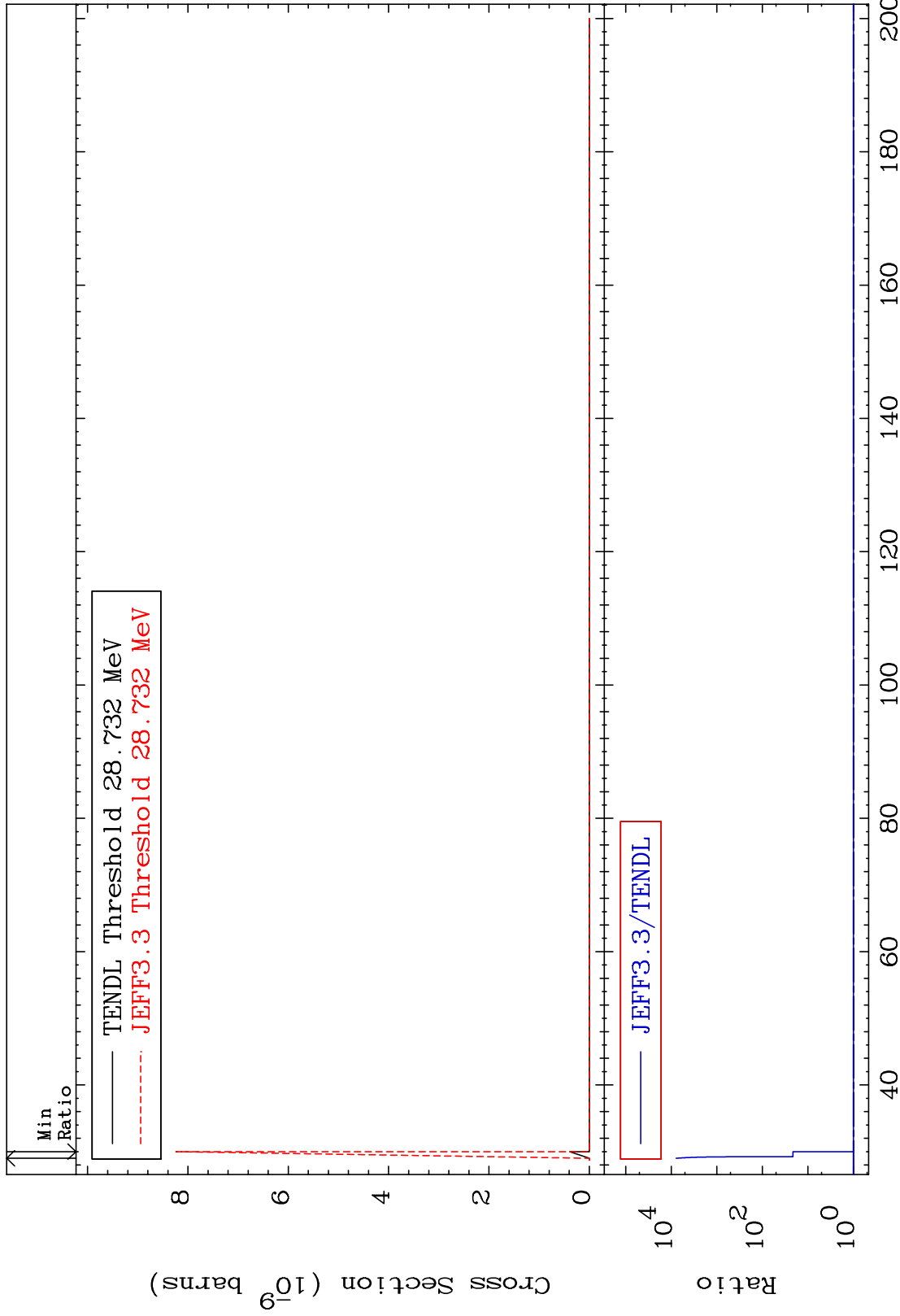
22-Ti-49

MAT 2234

(n,2n) d:21-Sc-46m2

22-Ti-49

Radionuclide Production Cross Section 0.000 To 9999. %



Min Ratio

TENDL Threshold 28.732 MeV
JEFF3.3 Threshold 28.732 MeV

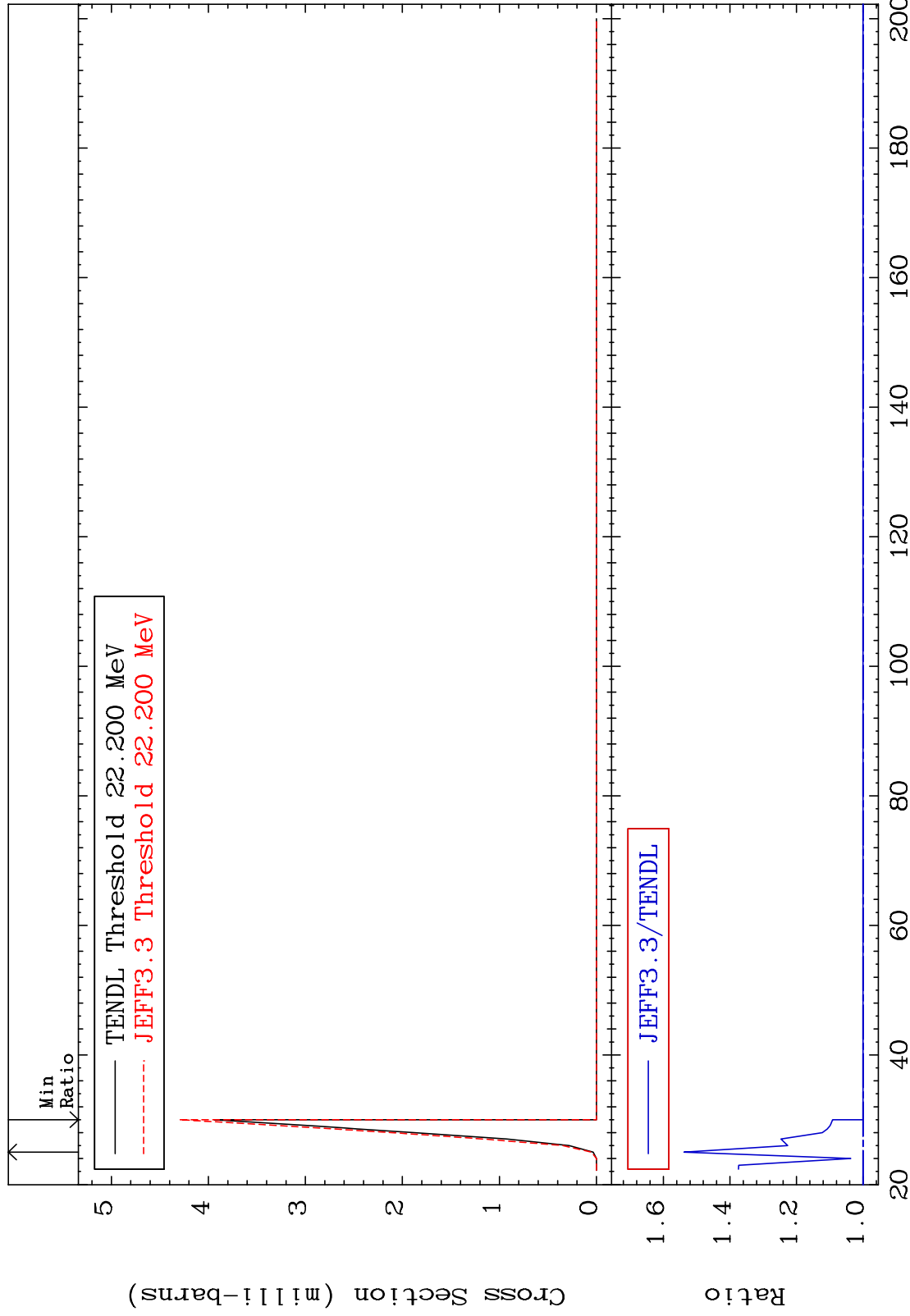
JEFF3.3/TENDL

MAT 2234

(n, n') t:21-Sc-46g

22-Ti-49

Radionuclide Production Cross Section 0.000 To 53.79 %



22-Ti-49

Incident Energy (MeV)

80

MAT 2234

(n, n') t:21-Sc-46m2

22-Ti-49

Radionuclide Production Cross Section 0.000 To 9999. %

